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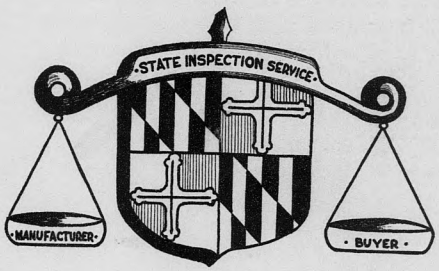
Commercial Fertilizers

This Publication contains the results of fertilizer inspection carried on from January 1, to August 1, 1926, together with a summary of the 1925 tonnage records.



STATE FERTILIZER INSPECTION SERVICE
Controlled by
UNIVERSITY OF MARYLAND
COLLEGE PARK, MD.

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COMMERCIAL FERTILIZERS

JANUARY 1, 1926—AUGUST 1, 1926

Compiled and edited under the supervision and direction of Neil E. Gordon,
State Chemist, and L. E. Bopst, in charge of Fertilizer,
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The inspection, analysis and control work of the fertilizer, feed and lime trade is carried on by the State Department, but the State Department is so related to the chemical work of the University that the other men of the Chemical Staff who are mentioned below may be called on for help in time of need; and, furthermore, it is the purpose of the majority of this Chemical Staff to be carrying on some investigations which bear directly or indirectly on the properties of fertilizer, feed and lime.

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INTRODUCTION

The Fertilizer Inspection work performed from January 1, 1926, to August 1, 1926, and conducted in accordance with the Law regulating the sale of commercial fertilizers, consisted in the registration of brands to be offered for sale, the inspection of methods of labeling and selling, the collection and analysis of official samples, and the instigating of legal action against those parties who have been found responsible for violating the law.

To establish the correctness of the Fertilizer manufacturer's guaranty, Representatives of the Inspection Service collected 737 official samples, covered by approximately 903 licenses. These samples were taken from freight stations, dealers warehouses, steamboat piers, etc., over the entire State. Separate reports were mailed to the manufacturer, dealer and, when possible, the user.

For the purpose of comparison the samples obtained may be segregated into five general classes, which together with the number of samples in each were as follows:

Five hundred and twenty-two complete fertilizers, containing ammonia, phosphoric acid and potash; 27 acid phosphate and potash fertilizers supplying available phosphoric acid and water potash; 52 acidulated phosphate fertilizers, furnishing available phosphoric acid; 25 ground bone fertilizers guaranteed for ammonia and total phosphoric acid; and the last group called miscellaneous into which were placed 111 samples of tankage, sulphate of ammonia, kainit, muriate of potash, etc.

Acknowledgments

Mr. L. H. VanWormer, First Assistant Chemist, had charge of the reception of samples and supervision of the details of the analytical work. Mr. F. G. Baggs supervised the preparation of tables and the assembling of the necessary data. The following Chemists assisted in making the chemical analysis; Messrs. H. R. Walls, F. R. Darkis, and E. C. Donaldson. The samples were prepared for analysis by Mr. C. N. Fleming.

Operation of the Law

Our examination of the samples collected during the spring season reveals the fact that the majority of fertilizers sold in this period have been marketed in compliance with the law.

The principal violation encountered was, as has been in the past, an over declaration of ammonia on sacks carrying the high ammoniated goods. It is not thought that there is a willful disposition on the part of the industry to evade their contracts, but it appears as if sufficient tolerance were not

being allowed at the time goods are manufactured. A comparison of these deficiencies with those noted in the samples obtained during the spring of 1925, shows a slight decrease in failures to meet claimed guarantees.

A considerable improvement has also been noted in the methods of labelling and showing complete information, although there were 54 samples selected from shipments where full guarantees were not shown as required. With one exception where the net weight was omitted, these shipments failed to show guarantees for water soluble ammonia, including one where no information was given.

Frequently short weight shipments have been encountered either as a result of the practice employed in some establishments of weighing gross for net, or because of careless or deliberate short weighing.

A few misbranding cases have been noted, one in which fertilizer tankage was sold and tagged as Pure Bone Meal. Several manufacturers were found substituting cocoa by-product material as an ammonia derivative in lieu of tankage as sworn to be used on their application for license.

MARYLAND TONNAGE INFORMATION

At the close of each calendar year fertilizer manufacturers are required by law to file a record of sales made. From these individual tonnage reports the Depatment prepares in tabulated form, interesting information concerning the amounts and different kinds of goods sold in Maryland from year to year. This data is hereby offered our readers under the caption:

MARYLAND FERTILIZER FACTS FOR 1926

Number of firms Registered	94
" " brands Registered	1015
" " analysis Registered	179
" " complete Fertilizers	126
" " Ammonia and Phosphoric Acid Mixtures	12
" " Phosphoric Acid and Potash Mixtures	16
" " Miscellaneous Mixtures	25

Total Tonnage	165,474.15
Complete Fertilizer Tonnage	112,727.31
Ammonia and Phosphoric Acid Tonnage	832.49
Phosphoric Acid and Potash Tonnage	15,936.48
16% Acid Phosphate Tonnage	18,487.37
Miscellaneous Tonnage	17,490.56

Mixed Fertilizer Containing 14 or More Units of Plant Food.

Complete Fertilizers	81,067.70
Ammonia and Phosphoric Acid Mixtures	540.16
Phosphoric Acid and Potash Mixtures	15,268.53
Total	96,876.39

FIFTEEN BRANDS SHOWING LARGEST TONNAGE 1925

Analysis.	Units of Plant Food.	Tons Sold.	Analysis.	Units of Plant Food.	Tons Sold.
2–8–5	15	20,841.93	2–9–2	13	3,760.70
0–16–0	16	18,487.37	2–12–2	16	3,595.94
0–12–5	17	11,890.13	Kainit	12–14	3,430.11
1–9–3	13	8,033.40	2–8–2	12	3,370.80
1–8–4	13	8,011.00	2–8–10	20	3,049.73
7–6–5	18	6,681.19	1–10–4	15	2,379.10
4–8–4	16	6,406.74	3–8–7	18	2,361.40
5–8–5	18	5,842.50			

TONNAGE OF MARYLAND STANDARD TWELVE

7–6–5	18	6,681.19	3–10–6	19	1,168.45
4–8–4	16	6,406.74	0–10–4	14	251.00
5–8–5	18	5,842.50	10–5–0	15	140.50
2–12–2	16	3,595.94	6–8–4	18	86.00
0–12–6	18	1,490.13	4–12–0	16	00
2–12–4	18	1,238.13			
3–8–8	19	1,184.60	Total Tons Sold		28,085.18

TONNAGE REPORT OF THE VARIOUS GRADES OF FERTILIZERS.

Guaranteed.	Tons.	Guaranteed.	Tons.
¼–12–5	109.	2–8–4	1290.
½–8–2	501.5	2–8–5	20841.98
½–8–4	77.	2–8–6	257.44
½–9–2	152.7	2–8–7	161.6
½–9–4	742	2–8–8	65.2
1–4–3	17.72	2–8–10	3049.73
1–6½–1½	68.5	2–8–12	12.
1–7–1	63	2–9–2	3760.7
1–8–1	323.5	2–9–3	307.6
1–8–2	839.82	2–9–5	1308.5
1–8–3	165.5	2–9–6	211.5
1–8–4	8011.	2–10–2	381.3
1–8–5	97	2–10–4	547.2
1–8–6	248.	2–10–5	575.5
1–9–2	268.6	2–10–6	221.2
1–9–3	8033.4	2–12–2	3595.94
1–9–4	320.5	2–12–4	1238.13
1–10–1	266.9	2–12–6	482.
1–10–2	1927.8	2–12–8	180.
1–10–3	350	2–16–2	3
1–10–4	2379.1	2–16–8	381
1–10–5	1634.8	2.1–9.2–5	192
1–11–4	552	2¼–10–4	100
1–12–1	241	2½–8–3	20
1–14–5	36.75	2½–10–1½	24
1.2–9.2–4	92.25	2½–20–5	7
1¼–8–2	30	3–6–3	2.5
1¼–9–1½	49.2	3–6–6	294
1¼–9–2	400.1	3–6–8	238.1
1¼–10–2	239.6	3–7–5	118.8
1½–10–3	100.	3–8–2	89
1½–10–4	30	3–8–3	2056.82
1½–12–2	18.	3–8–4	933.6
1½–12–5	282	3–8–5	894.48
1½–17–5	128	3–8–6	9.
1¾–7–2	180	3–8–7	2361.4
1¾–7–3	225	3–8–8	1184.6
2–6½–4½	54	3–9–2	136.
2–7–7	134	3–9–3	12.6
2–8–2	3385.3	3–9–5	88.
2–8–3	1698.37	3–10–3	84.

Guaranteed.	Tons.
3–10–6	1168.45
3–12–3	229.9
3–12–5	131
3½–5¼–4	25
4–6–5	220
4–7–1	39.1
4–8–3	2.75
4–8–4	6406.74
4–8–5	1039.2
4–8–6	2534.67
4–8–7	525.9
4–8–8	125.1
4–8–10	147.3
4–12–4	76.9
4–16–4	291.
4–16–6	86.73
5–6–5	859.7
5–7–3	82.7
5–7–5	2653.6
5–8–3	21.6
5–8–4	52.4
5–8–5	5842.5
5–8–7	405.7
5–10–5	65.25
6–6–6	130.7
6–8–3	4.
6–8–4	86
6–8–8	246.3
6–18–6	16.05
7–6–5	6681.19
8–4–2	.35
10–4–2	141.2
10–5–2	191.
10–6–2	2.
11–15–20	5.
1½–14–0	159.
2–10–0	28.5
2¼–13–0	37.
2½–10–0	17.5
3–11–0	85.
4–8–0	1.
5–8–0	245.
6–12–0	8.8
7–8–0	5.
10–2–0	.33
10–4–0	104.86
10–5–0	140.5
0–4–7	167.
0–5–5	10.25
0–8–5	286.7
0–8–6	110.
0–8–7	153.
0–8–8	4.
0–10–2	115.
0–10–3	89.
0–10–4	251.
0–10–5	985.4
0–10–8	2.
0–10–10	199.8
0–12–4	50.
0–12–5	11890.13
0–12–6	1490.2
0–12–10	133.
0–0–5	157.27
2–0–5	45.16
Basic Lime Phosphate	1189.7
14% Acid Phosphate	220.
16% Acid Phosphate	18487.37
17% Acid Phosphate	3.
18% Acid Phosphate	33.
20% Acid Phosphate	25.3
Bone Meal 3–50%	597.73
Bone Meal 4½–27	1335.4
Tankage 6%	192.
Tankage 9½–10½	391.25
Blood Meal	25.4
Sheep Manure	353.7
Cattle Manure	21.
Peruvian Guano	9.
Fish	26.5
Nitrate of Soda	870.27
Sulphate of Ammonia	417.05
Muriate of Potash	835.06
Sulphate of Potash	124.75
Manure Salts	55.5
Kainit	3430.11
Mixed to Order	6835.3
Micro Organisms	1.42
Miscellaneous	296.49
Total Tonnage	165,474.15

TONNAGE SUMMARY.

The following tables set forth briefly the chief items of public interest compiled from the tonnage reports of fertilizer manufacturers doing business in Maryland in 1925. For purposes of comparison, figures for the years 1923 and 1924 are furnished also.

Since the amount of fertilizer "mixed to order" was quite small as compared to the total tonnage, no attempt has been made to classify mixed-to-order-shipments. The percentages given in the tables are based on total tonnage, exclusive of mixed-to-order goods.

TABLE I.

	1925 Per cent	1924 Per cent	1923 Per cent
Total Tonnage	100.00	100.00	100.00
Complete Fertilizers	68.12	65.11	63.13

Phosphoric Acid and Potash Mixtures	8.10	9.03	10.63
Ammonia and Phos. Acid Mixtures	5.03	0.88	0.75
Acid Phosphate 16 per cent.	11.17	13.56	15.24
Miscellaneous	10.57	11.58	10.23
Out-of-State Firms	4.93	4.12	4.33
Maryland Standard Twelve	16.91	26.00	18.94

All goods containing 14 or more units of plant food is designated as "High Grade;" goods containing less than 14 units is designated as "Low Grade." The distribution between the high and low grade goods is recorded in Table II.

TABLE II.

	High Grade		Low Grade	
	1925	1924	1925	1924
Complete Fertilizer	71.90	68.43	28.10	31.57
Ammonia and Phos. Acid Mixtures	64.88	44.07	35.12	57.43
Phos. Acid and Potash Mixtures	95.80	94.51	4.20	5.49
Total Mixed Fertilizers	57.15	71.28	42.85	28.72

The reader will note that the demand for high grade goods continues to increase, and that over 28,000 tons of the brands included in the "Maryland Standard Twelve" were sold; the 7-6-5 grade heading the list with 6,681 tons marketed. The greatest popularity as evidenced by sales records must, however, be conceded to an analysis not included in the "Standard Twelve"—2-8-5 brand—of which 20,841 tons were sold.

VALUES FOR SPRING OF 1926

Since the analysis in our laboratory gives the percentage or pounds per hundred, it is only necessary to multiply the price per pound by 20 in order to get the value of one per cent. for one ton of fertilizer. This is designated in the following table as the value per unit. A unit is one per cent. of one ton, or 20 pounds.

Table for Calculating Fertilizer Values:

	Per Unit
(1) Nitrogen calculated as Ammonia	$4.50
(2) Available Phosphoric Acid	
(a) In mixed fertilizers or in dissolved rock	.80
(b) In tankage or ground bone	.60
(3) Insoluble Phosphoric Acid	.15
(4) Potash	.85

The values given above are not for the purpose of fixing the commercial value of mixed fertilizers, but are for comparative purposes only. They are furnished to be used in comparing the value of the plant food found by our chemists with that guaranteed by the manufacturer. They can be used advantageously by fertilizer purchasers in calculating the relative values of the various brands offered for sale by the different manufacturers.

TABLES

The following pages contain a detailed report of the results obtained in the inspection of Fertilizers from January 1, to August 1, 1926:

Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling	H_2O SOL. AMMONIA		NITROGEN Calculated as AMMONIA		PHOSPHORIC ACID				POTASH K_2O.		Comparative Value per Ton Found	Comparative Value Per Ton Guaranteed
						Insoluble		Available					
		FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed		
Agricultural Corporation of Marylan	**d, Balto., Md.**												
Acid Phosphate	Baltimore	.....	.....	.....	.....	**1.10**	.....	**16.20**	16.00	.....	.....	**$13.13**	$12.80
Kainit	Baltimore	.....	.....	.....	.....	.....	.....	.....	.....	**10.64**	12.40	.....	.....
Maryland Public Formula	Baltimore	**4.48**	3.25	**4.82**	5.00	**.25**	.....	**7.35**	8.00	**5.04**	5.00	**31.89**	33.15
Maryland Public Formula	Baltimore	**1.69**	.75	**2.03**	3.00	**.60**	.....	**7.90**	8.00	**3.28**	3.00	**18.34**	22.45
Sulphate of Potash	Baltimore	.....	.....	.....	.....	.....	.....	.....	.....	**51.20**	48.00	.....	.....
American Agricultural Chemical Co.	**, New York, N. Y.**												
Acid Phosphate, 16%	Baltimore	.....	.....	.....	.....	**1.15**	.....	**16.05**	16.00	.....	.....	**13.01**	12.80
Acid Phosphate, 16%	Baltimore	.....	.....	.....	.....	**.80**	.....	**16.00**	16.00	.....	.....	**12.92**	12.80
Acme Fertilizer	Baltimore	**.75**	.43	**1.02**	1.00	**1.00**	.....	**9.10**	9.00	**4.00**	4.00	**15.42**	15.10
Acme Fertilizer	Baltimore	**.93**	.43	**1.19**	1.00	**.90**	.....	**9.10**	9.00	**4.32**	4.00	**16.45**	15.10
Acme Fertilizer	Baltimore	**.64**	.43	**.90**	1.00	**1.10**	.....	**9.10**	9.00	**4.02**	4.00	**14.92**	15.10
Agrico Fertilizer for Corn	Baltimore	**2.18**	1.52	**2.78**	3.00	**1.35**	.....	**10.15**	10.00	**6.16**	6.00	**26.07**	26.60
Agrico Fertilizer for Corn	Baltimore	**2.73**	1.52	**3.16**	3.00	**1.15**	.....	**9.70**	10.00	**6.32**	6.00	**27.52**	26.60
Agrico Fertilizer for Corn	Baltimore	**2.59**	1.52	**3.07**	3.00	**.85**	.....	**10.15**	10.00	**6.64**	6.00	**27.71**	26.60
Agrico Fertilizer for Corn	Baltimore	**2.81**	1.52	**3.05**	3.00	**1.00**	.....	**10.00**	10.00	**6.08**	6.00	**27.05**	26.60
Agrico Fertilizer for Corn	Baltimore	**2.54**	1.52	**3.02**	3.00	**1.00**	.....	**10.30**	10.00	**6.36**	6.00	**27.39**	26.60
Agrico Fertilizer for Corn	Baltimore	**2.81**	1.52	**3.01**	3.00	**1.25**	.....	**9.95**	10.00	**6.60**	6.00	**27.31**	26.60
Agrico Fertilizer for Corn	Baltimore	**2.74**	1.52	**3.00**	3.00	**1.30**	.....	**10.00**	10.00	**6.12**	6.00	**26.90**	26.60
Agrico Fertilizer for Grain	Baltimore	**1.88**	1.03	**2.20**	2.00	**1.30**	.....	**12.00**	12.00	**4.90**	4.00	**23.87**	22.00
Agrico Fertilizer for Potatoes	Baltimore	**3.59**	2.13	**4.03**	4.00	**.80**	.....	**8.00**	8.00	**6.16**	6.00	**29.90**	29.50
Agrico Fertilizer for Potatoes	Baltimore	**3.50**	2.13	**3.99**	4.00	**.80**	.....	**7.85**	8.00	**6.36**	6.00	**29.77**	29.50
Agrico Fertilizer for Potatoes	Baltimore	**3.32**	2.13	**3.99**	4.00	**1.05**	.....	**8.25**	8.00	**6.08**	6.00	**29.89**	29.50
Basic Lime Phosphate	Baltimore	.....	.....	.....	.....	**2.75**	.....	**12.70**	13.00	.....	.....	**10.57**	10.40
Basic Lime Phosphate	Baltimore	.....	.....	.....	.....	**2.48**	.....	**12.92**	13.00	.....	.....	**10.71**	10.40
Basic Lime Phosphate	Baltimore	.....	.....	.....	.....	**4.43**	.....	**10.77**	13.00	.....	.....	**9.28**	10.40
Early Trucker Fertilizer	Baltimore	**4.35**	2.92	**5.00**	5.00	**.80**	.....	**8.10**	8.00	**5.00**	5.00	**33.35**	33.15
Early Trucker Fertilizer	Baltimore	**4.49**	2.92	**5.09**	5.00	**.90**	.....	**7.90**	8.00	**5.00**	5.00	**33.62**	33.15
Gladiator Fertilizer	Baltimore	**3.87**	2.13	**4.18**	4.00	**1.48**	.....	**7.27**	8.00	**7.24**	7.00	**31.00**	30.35
Golden Leaf Fertilizer	Baltimore	**3.76**	2.13	**4.10**	4.00	**1.05**	.....	**8.45**	8.00	**7.00**	7.00	**31.32**	30.35

* Total Phosphoric Acid.

Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling	H_2O SOL. AMMONIA		NITROGEN Calculated as AMMONIA		PHOSPHORIC ACID				POTASH K_2O.		Comparative Value per Ton Found	Comparative Value Per Ton Guaranteed
						Insoluble		Available					
		FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed		
American Agricultural Chemical Co., New York, N. Y.													
Golden Leaf Fertilizer	Baltimore	**3.61**	2.13	**4.04**	4.00	**.85**	.....	**7.95**	8.00	**7.24**	7.00	**$30.82**	$30.35
Golden Leaf Fertilizer	Baltimore	**3.68**	2.13	**4.06**	4.00	**1.05**	.....	**8.05**	8.00	**7.00**	7.00	**30.82**	30.35
Golden Leaf Fertilizer	Baltimore	**3.72**	2.13	**3.99**	4.00	**1.35**	.....	**8.25**	8.00	**6.86**	7.00	**30.59**	30.35
Golden Leaf Fertilizer	Baltimore	**3.57**	2.13	**3.79**	4.00	**1.10**	.....	**8.00**	8.00	**7.32**	7.00	**29.85**	30.35
Ground Tankage	Upper Marlboro	.....	.....	**6.21**	6.00	.....	.....	***19.10**	*13.73	.....	.....	**39.41**	35.24
Kainit	Baltimore	.....	.....	.....	.....	.....	.....	.....	.....	**11.76**	12.40	.....	.....
Kainit	Baltimore	.....	.....	.....	.....	.....	.....	.....	.....	**12.24**	12.40	.....	.....
Kainit	Baltimore	.....	.....	.....	.....	.....	.....	.....	.....	**11.84**	12.40	.....	.....
Kangaroo Komplete Kompound	Baltimore	**1.79**	1.03	**2.10**	2.00	**1.00**	.....	**9.50**	9.00	**3.36**	3.00	**20.06**	18.75
Kangaroo Komplete Kompound	Baltimore	**1.76**	1.03	**2.05**	2.00	**1.15**	.....	**8.95**	9.00	**3.08**	3.00	**19.18**	18.75
Monarch Fertilizer	Baltimore	**3.27**	2.13	**3.92**	4.00	**1.60**	.....	**8.90**	8.00	**4.24**	4.00	**28.60**	27.80
Monarch Fertilizer	Baltimore	**3.39**	2.13	**3.99**	4.00	**1.15**	.....	**8.00**	8.00	**3.78**	4.00	**27.74**	27.80
Monarch Fertilizer	Baltimore	**3.60**	2.13	**4.06**	4.00	**.90**	.....	**8.10**	8.00	**4.12**	4.00	**28.39**	27.80
Monarch Fertilizer	Baltimore	**3.51**	2.13	**3.99**	4.00	**.80**	.....	**8.60**	8.00	**4.00**	4.00	**28.36**	27.80
Muriate of Potash	Baltimore	.....	.....	.....	.....	.....	.....	.....	.....	**48.70**	48.00	.....	.....
Old Hickory Fertilizer	Baltimore	**1.60**	1.03	**2.01**	2.00	**1.78**	.....	**7.52**	8.00	**10.08**	10.00	**23.91**	23.90
Old Hickory Fertilizer	Upper Marlboro	**1.74**	1.03	**2.08**	2.00	**1.48**	.....	**7.97**	8.00	**10.40**	10.00	**24.80**	23.90
Pulverized Sheep Manure	Upper Marlboro	.....	.....	**2.26**	1.75	.....	.....	***.80**	*.75	**2.20**	2.00	**12.52**	10.03
Pure Raw Bone	Baltimore	.....	.....	**4.69**	4.50	.....	.....	***23.15**	*21.51	.....	.....	**35.00**	33.16
Pure Raw Bone	Baltimore	.....	.....	**4.84**	4.50	.....	.....	***23.80**	*21.51	.....	.....	**36.06**	33.16
Red Dragon Fertilizer	Baltimore	**1.74**	1.03	**2.17**	2.00	**1.00**	.....	**12.00**	12.00	**2.36**	2.00	**21.53**	20.30
Red Dog Fertilizer	Baltimore	**1.69**	1.03	**2.00**	2.00	**1.18**	.....	**7.82**	8.00	**5.24**	5.00	**19.88**	19.65
Sulphate of Potash	Upper Marlboro	.....	.....	.....	.....	.....	.....	.....	.....	**52.10**	48.00	.....	.....
Sweepstakes Tobacco Fertilizer	Baltimore	**2.82**	1.52	**3.16**	3.00	**.90**	.....	**8.30**	8.00	**4.22**	3.00	**24.59**	22.45
Sweepstakes Tobacco Fertilizer	Baltimore	**2.68**	1.52	**2.99**	3.00	**.60**	.....	**8.00**	8.00	**3.28**	3.00	**22.74**	22.45
Sweepstakes Tobacco Fertilizer	Baltimore	**2.79**	1.52	**3.11**	3.00	**.60**	.....	**8.00**	8.00	**3.24**	3.00	**23.24**	22.45
Sweepstakes Tobacco Fertilizer	Baltimore	**2.45**	1.52	**2.88**	3.00	**1.15**	.....	**8.15**	8.00	**3.04**	3.00	**22.23**	22.45
Victory Mixture	Baltimore	.....	.....	.....	.....	**.90**	.....	**12.40**	12.00	**5.36**	5.00	**14.62**	13.85
Detrick's Gold Basis Fertilizer	Baltimore	**5.79**	4.13	**6.56**	7.00	**.90**	.....	**6.40**	6.00	**5.00**	5.00	**39.03**	40.55
Detrick's Gold Basis Fertilizer	Baltimore	**6.21**	4.13	**7.03**	7.00	**1.30**	.....	**6.10**	6.00	**5.00**	5.00	**40.97**	40.55
Detrick's Gold Basis Fertilizer	Baltimore	**6.22**	4.13	**7.00**	7.00	**1.00**	.....	**6.10**	6.00	**4.66**	5.00	**40.49**	40.55
Lister's Acid Phosphate H. G	Baltimore	.....	.....	.....	.....	**1.10**	.....	**16.80**	16.00	.....	.....	**13.61**	12.80
Lister's Golden Crown	Baltimore	**1.66**	1.03	**2.05**	2.00	**1.05**	.....	**8.05**	8.00	**10.08**	10.00	**24.40**	23.90
Lister's Harvest Queen Fertilizer	Baltimore	**1.57**	1.03	**2.00**	2.00	**1.40**	.....	**8.10**	8.00	**5.00**	5.00	**19.94**	19.65

Lister's Acid Phosphate H. G.	Baltimore					**1.10**		**16.80**	16.00			**13.61**	12.80
Lister's Golden Crown	Baltimore	**1.66**	1.03	**2.05**	2.00	**1.05**		**8.05**	8.00	**10.08**	10.00	**24.40**	23.90
Lister's Harvest Queen Fertilizer	Baltimore	**1.57**	1.03	**2.00**	2.00	**1.40**		**8.10**	8.00	**5.00**	5.00	**19.94**	19.65
Lister's Harvest Queen Fertilizer	Baltimore	**1.75**	1.03	**2.01**	2.00	**1.25**		**8.35**	8.00	**4.78**	5.00	**19.98**	19.65
Lister's Regal Fertilizer	Baltimore	**3.40**	2.13	**4.03**	4.00	**.70**		**8.20**	8.00	**4.00**	4.00	**28.21**	27.80
Patapsco Acid Phosphate H. G.	Baltimore					**.60**		**16.10**	16.00			**12.97**	12.80
Patapsco Acid Phosphate H. G.	Baltimore					**1.00**		**16.90**	16.00			**13.67**	12.80
Patapsco Coon Brand Fertilizer	Baltimore	**.63**	.43	**1.01**	1.00	**1.05**		**9.25**	9.00	**4.00**	4.00	**15.51**	15.10
Patapsco Big Chief Fertilizer	Baltimore	**1.56**	1.03	**1.94**	2.00	**.65**		**8.15**	8.00	**5.08**	5.00	**19.67**	19.65
Slingluff Plant Bed Fertilizer	Baltimore	**9.53**	6.08	**10.21**	10.00	**.45**		**5.15**	5.00			**50.14**	49.00
American Fertilizing Co., Baltimore, Md.													
Acid Phosphate	Baltimore					**.45**		**19.40**	20.00			**15.60**	16.00
Acid Phosphate H. G.	Baltimore					**.25**		**16.05**	16.00			**12.88**	12.80
Champion Grain Grower	Baltimore	**.83**	.49	**1.09**	1.00	**.60**		**9.30**	9.00	**3.80**	4.00	**15.67**	15.10
Double Special Brand	Baltimore	**3.62**	2.00	**3.89**	4.00	**.40**		**16.80**	16.00	**6.12**	6.00	**36.21**	35.90
Double Special Brand	Baltimore	**3.86**	2.00	**4.06**	4.00	**.65**		**16.25**	16.00	**6.00**	6.00	**36.47**	35.90
Excelsior Guano	Baltimore	**2.06**	.78	**2.28**	2.00	**.45**		**8.25**	8.00	**5.46**	5.00	**21.27**	19.65
Fish & Potash Compound	Baltimore	**1.34**	.78	**2.01**	2.00	**1.00**		**9.50**	9.00	**3.12**	3.00	**19.45**	18.75
Fish & Potash Compound	Baltimore	**1.50**	.78	**2.18**	2.00	**1.55**		**8.55**	9.00	**3.66**	3.00	**19.99**	18.75
General Crop Fertilizer	Baltimore	**2.90**	1.52	**3.07**	3.00	**.45**		**10.45**	10.00	**6.32**	6.00	**27.62**	26.60
General Crop Fertilizer	Baltimore	**2.75**	1.52	**2.99**	3.00	**.55**		**10.55**	10.00	**6.36**	6.00	**27.39**	26.60
General Crop Fertilizer	Baltimore	**2.83**	1.52	**3.00**	3.00	**.50**		**10.10**	10.00	**7.20**	6.00	**27.78**	26.60
Gilt Edge Truck Mixture	Baltimore	**3.60**	2.00	**3.77**	4.00	**.50**		**9.20**	8.00	**7.04**	7.00	**30.39**	30.35
High Grade Potash Mixture	Baltimore					**.65**		**12.75**	12.00	**5.20**	5.00	**14.72**	13.85
Panacea Guano	Hancock	**1.85**	.78	**2.05**	2.00	**1.00**		**12.20**	12.00	**4.18**	4.00	**22.69**	22.00
Prize Guano	Baltimore	**1.88**	.78	**2.05**	2.00	**.50**		**8.60**	8.00	**10.40**	10.00	**25.03**	23.90
Prize Guano	Baltimore	**1.88**	.78	**2.08**	2.00	**.35**		**8.25**	8.00	**10.36**	10.00	**24.82**	23.90
Vegetable Special	Baltimore	**3.86**	2.00	**4.06**	4.00	**.50**		**8.60**	8.00	**4.56**	4.00	**29.11**	27.80
Armour Ferilizer Works, Baltimore, Md.													
Big Crop Acid Phosphate, 16%	Baltimore					**1.00**		**16.40**	16.00			**13.27**	12.80
Big Crop 1-9-4	Baltimore	**.87**	.50	**1.38**	1.00	**.60**		**9.00**	9.00	**4.36**	4.00	**17.21**	15.10
Big Crop 1-9-4	Baltimore	**.84**	.50	**1.40**	1.00	**.65**		**9.10**	9.00	**4.20**	4.00	**17.25**	15.10
Big Crop 5-8-5	Baltimore	**3.59**	2.50	**4.61**	5.00	**.60**		**8.30**	8.00	**5.00**	5.00	**31.73**	33.15
Big Crop 5-8-5	Baltimore	**3.65**	2.50	**4.69**	5.00	**.70**		**8.30**	8.00	**5.04**	5.00	**32.14**	33.15
Big Crop 4-8-4	Baltimore	**2.60**	2.00	**3.49**	4.00	**.55**		**8.55**	8.00	**4.36**	4.00	**26.34**	27.80
Big Crop 4-8-7	Baltimore	**3.00**	2.00	**3.84**	4.00	**.60**		**8.50**	8.00	**7.08**	7.00	**30.19**	30.35
Big Crop 4-16-4	Baltimore	**3.65**	2.00	**3.87**	4.00	**.50**		**16.50**	16.00	**4.36**	4.00	**34.41**	34.20
Big Crop 2-8-5	Baltimore	**1.42**	1.00	**2.00**	2.00	**.25**		**8.25**	8.00	**5.28**	5.00	**20.13**	19.65
Big Crop 2-8-5	Baltimore	**1.40**	1.00	**2.01**	2.00	**.35**		**8.15**	8.00	**5.06**	5.00	**19.92**	19.65
Big Crop 2-8-10	Baltimore	**1.45**	1.00	**2.03**	2.00	**.20**		**8.30**	8.00	**10.32**	10.00	**24.58**	23.90
Big Crop 10-5-0	Baltimore	**7.65**	5.00	**9.10**	10.00	**.50**		**5.70**	5.00			**45.59**	49.00
Big Crop Tobacco Grower 6-8-4	Baltimore	**4.23**	3.00	**5.73**	6.00	**.45**		**8.65**	8.00	**4.20**	4.00	**36.35**	36.80
Big Crop Tobacco Grower 6-8-4	Baltimore	**4.63**	3.00	**5.89**	6.00	**.50**		**8.50**	8.00	**4.32**	4.00	**37.06**	36.80

* Total Phosphoric Acid.

Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling	H_2O SOL. AMMONIA		NITROGEN Calculated as AMMONIA		PHOSPHORIC ACID				POTASH K_2O.		Comparative Value per Ton Found	Comparative Value Per Ton Guaranteed
						Insoluble		Available					
		FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed		
Armour Fertilizer Works, Baltimore, Md.—Cont.													
Big Crop Tomato Grower 3-10-6	Baltimore	**2.23**	.50	**3.00**	3.00	**.55**	.....	**10.35**	10.00	**6.64**	6.00	$27.50	$26.60
Big Crop Sweet Potato Grower	Baltimore	**2.08**	1.60	**3.00**	3.00	**.05**	.....	**9.15**	8.00	**8.16**	8.00	**27.77**	26.70
Kainit 12%	Baltimore	.....	.....	.....	.....	.....	.....	.....	.....	**13.44**	12.00	.....	.....
Kainit 12%	Baltimore	.....	.....	.....	.....	.....	.....	.....	.....	**12.92**	12.00	.....	.....
Lime Phosphate 13%	Baltimore	.....	.....	.....	.....	**1.05**	.....	**13.05**	13.00	.....	.....	**10.60**	10.40
Sheep Manure	Hyattsville	.....	.....	**1.86**	1.50	.....	.....	* **1.90**	* 1.00	**2.84**	2.50	**11.92**	9.48
Associated Chemical Co., Baltimore, Md.													
Animal Tankage	Fallston	.....	.....	**6.53**	6.00	.....	.....	***15.35**	*13.73	.....	.....	**38.60**	35.24
Dried Fish Scrap	College Park	.....	.....	**11.34**	11.00	.....	.....	* **7.70**	* 5.50	.....	.....	**55.65**	52.80
Kainit	Baltimore	.....	.....	.....	.....	.....	.....	.....	.....	**15.44**	12.40	.....	.....
Kainit	Baltimore	.....	.....	.....	.....	.....	.....	.....	.....	**12.40**	12.40	.....	.....
Muriate of Potash	College park	.....	.....	.....	.....	.....	.....	.....	.....	**52.20**	50.00	.....	.....
Nitrate of Soda	Laurel	.....	.....	**19.12**	18.20	.....	.....	.....	.....	.....	.....	.....	.....
Nitrate of Soda	College Park	.....	.....	**19.32**	18.20								
Nitrate of Soda	Baltimore	.....	.....	**18.70**	18.20	.....	.....	.....	.....	.....	.....	.....	.....
Pure Raw Bone	Hancock	.....	.....	**4.50**	4.50	.....	.....	***22.90**	*20.00	.....	.....	**33.99**	32.25
Sulphate of Ammonia	College Park	.....	.....	**25.02**	25.00	.....	.....	.....	.....	.....	.....	.....	.....
Baltimore Fertilizer Co., Baltimore, Md.													
Honest Acid Phosphate 16%	Fallston	.....	.....	.....	.....	**1.55**	.....	**16.55**	16.00	.....	.....	**13.55**	12.80
Honest Acid Phosphate 16%	Bel Air	.....	.....	.....	.....	**.60**	.....	**17.50**	16.00	.....	.....	**14.09**	12.80
Honest Acid Phosphate 16%	Baltimore	.....	.....	.....	.....	**.70**	.....	**16.30**	16.00	.....	.....	**13.15**	12.80
Honest Acid Phosphate 16%	Baltimore	.....	.....	.....	.....	**1.55**	.....	**16.25**	16.00	.....	.....	**13.23**	12.80
Honest Ammoniated Bone	Fallston	**1.54**	1.00	**2.00**	2.00	**.90**	.....	**7.90**	8.00	**3.13**	2.00	**18.12**	17.10
Honest Ammoniated Bone	Bel Air	**1.17**	1.00	**2.13**	2.00	**1.95**	.....	**9.55**	8.00	**3.30**	2.00	**20.33**	17.10
Honest Ammoniated Bone	Baltimore	**1.45**	1.00	**2.00**	2.00	**.70**	.....	**8.50**	8.00	**2.36**	2.00	**17.92**	17.10
Honest 4-8-6	Baltimore	**3.50**	2.00	**4.15**	4.00	**.65**	.....	**7.90**	8.00	**6.06**	6.00	**30.25**	29.50
Honest 1-9-4	Baltimore	**1.05**	.49	**1.56**	1.00	**.65**	.....	**9.05**	9.00	**4.88**	4.00	**18.51**	15.10
Honest 2-8-5	Bel Air	**1.66**	1.00	**2.17**	2.00	**1.15**	.....	**9.85**	8.00	**4.32**	5.00	**21.49**	19.65
Honest 2-8-5	Fallston	**1.57**	1.00	**2.08**	2.00	**.65**	.....	**7.95**	8.00	**5.12**	5.00	**20.17**	19.65
Honest 2-8-10	Fallston	**1.69**	1.00	**2.18**	2.00	**.90**	.....	**8.40**	8.00	**10.24**	10.00	**25.37**	23.90
Honest 3-8-5	Baltimore	**2.55**	1.48	**2.99**	3.00	**.65**	.....	**8.15**	8.00	**5.00**	5.00	**24.33**	24.15
Honest 3-8-5	Fallston	**2.09**	1.48	**2.69**	3.00	**1.53**	.....	**7.82**	8.00	**5.32**	5.00	**23.12**	24.15

Honest 2-8-10	Fallston	**1.69**	1.00	**2.18**	2.00	**.90**		**8.40**	8.00	**10.24**	10.00	**25.37**	23.90
Honest 3-8-5	Baltimore	**2.55**	1.48	**2.99**	3.00	**.65**		**8.15**	8.00	**5.00**	5.00	**24.33**	24.15
Honest 3-8-5	Fallston	**2.09**	1.48	**2.69**	3.00	**1.53**		**7.82**	8.00	**5.32**	5.00	**23.12**	24.15
Honest 3-8-5	Baltimore	**3.31**	1.48	**3.99**	3.00	**.90**		**8.70**	8.00	**4.70**	5.00	**29.06**	24.15
Honest 3-8-5	Baltimore	**2.20**	1.48	**2.63**	3.00	**.95**		**8.55**	8.00	**5.36**	5.00	**23.38**	24.15
Honest 3-8-5	Baltimore	**3.13**	1.48	**3.69**	3.00	**1.15**		**8.25**	8.00	**6.00**	5.00	**28.48**	24.15
Honest 3-8-5	Baltimore	**2.56**	1.48	**3.11**	3.00	**1.23**		**7.47**	8.00	**5.52**	5.00	**24.85**	24.15
Old Honesty	Baltimore	**1.01**	.48	**1.57**	1.00	**.90**		**11.20**	11.00	**2.36**	2.00	**18.18**	15.00
Tobacco Bed Mixture	Baltimore	**8.33**	4.10	**9.64**	10.00	**1.60**		**4.50**	4.00	**2.32**	2.00	**49.19**	49.90
Baltimore Pulverizing Co., Baltimore, Md.													
Acme Early Truck 5-7-3	Baltimore	**4.41**	3.40	**5.33**	5.00	**2.03**		**6.77**	7.00	**3.86**	3.00	**33.00**	30.65
Acme Early Truck 5-7-3	Baltimore	**3.99**	3.40	**4.76**	5.00	**1.60**		**7.60**	7.00	**3.32**	3.00	**30.56**	30.65
Climax Guano 4-8-5	Baltimore	**3.46**	2.98	**4.13**	4.00	**1.65**		**8.75**	8.00	**5.16**	5.00	**30.23**	28.65
Climax Guano 4-8-5	Baltimore	**3.02**	2.98	**3.63**	4.00	**1.10**		**8.00**	8.00	**5.04**	5.00	**27.19**	28.65
Corn & Grain Grower 0-12-4	Baltimore					**.80**		**11.20**	12.00	**4.20**	4.00	**12.65**	13.00
Ideal Fertilizer 2-8-5	Baltimore	**1.52**	1.21	**2.10**	2.00	**1.13**		**8.12**	8.00	**5.12**	5.00	**20.47**	19.65
Ideal Fertilizer 2-8-5	Baltimore	**1.50**	1.21	**2.20**	2.00	**1.40**		**8.20**	8.00	**7.00**	5.00	**22.62**	19.65
Special Strawberry Compound 4-7-1	Baltimore	**3.83**	3.40	**4.68**	4.00	**1.05**		**7.55**	7.00	**1.63**	1.00	**28.65**	24.45
Special Strawberry Compound 4-7-1	Baltimore	**3.43**	3.40	**4.20**	4.00	**1.55**		**7.65**	7.00	**1.36**	1.00	**26.41**	24.45
Spring & Fall Mixture 0-8 5	Baltimore					**1.50**		**11.20**	8.00	**4.40**	5.00	**12.93**	10.65
Willoughby's Mixture	Baltimore	**3.65**	2.97	**4.16**	4.00	**1.40**		**8.70**	8.00	**7.74**	7.00	**32.47**	30.35
Willoughby's Mixture	Baltimore	**3.61**	2.97	**4.10**	4.00	**1.60**		**8.35**	8.00	**7.12**	7.00	**31.42**	30.35
Baugh & Sons Co. Baltimore, Md.													
Acid Phosphate	Grantsville					**1.65**		**17.15**	16.00			**13.97**	12.80
Acid Phosphate	Baltimore					**1.00**		**16.00**	16.00			**12.95**	12.80
Animal Base & Potash Compound	Baltimore	**1.62**	.90	**2.17**	2.00	**1.35**		**9.25**	9.00	**3.08**	3.00	**19.99**	18.75
Animal Base & Potash Compound	Grantsville	**1.54**	.90	**2.10**	2.00	**1.10**		**9.60**	9.00	**3.04**	3.00	**19.88**	18.75
Commercial Superphosphate	Baltimore	**1.64**	.91	**2.08**	2.00	**.95**		**8.05**	8.00	**10.08**	10.00	**24.51**	23.90
Corn & Oats Fertilizer	Baltimore	**1.63**	.91	**2.18**	2.00	**1.00**		**12.50**	12.00	**2.14**	2.00	**21.78**	20.30
Corn & Oats Fertilizer	Baltimore	**1.60**	.91	**2.08**	2.00	**1.13**		**11.87**	12.00	**2.20**	2.00	**20.90**	20.30
Excelsior Guano	Baltimore	**.46**	.60	**1.02**	1.00	**1.10**		**9.20**	9.00	**4.04**	4.00	**15.55**	15.10
Fish Bone & Potash	Baltimore	**3.55**	2.42	**4.03**	4.00	**.95**		**8.45**	8.00	**4.04**	4.00	**28.47**	27.80
Fish Bone & Potash	Baltimore	**3.64**	2.42	**4.20**	4.00	**1.20**		**8.10**	8.00	**4.16**	4.00	**29.10**	27.80
Fish Bone & Potash	Baltimore	**3.54**	2.42	**4.10**	4.00	**.75**		**8.25**	8.00	**4.20**	4.00	**28.73**	27.80
Fish Mixture	Baltimore	**1.52**	.91	**2.03**	2.00	**.90**		**9.00**	9.00	**3.52**	3.00	**19.47**	18.75
Fish Mixture	Baltimore	**1.50**	.91	**2.01**	2.00	**.95**		**9.05**	9.00	**3.42**	3.00	**19.34**	18.75
Fish Mixture	Baltimore	**1.57**	.91	**2.00**	2.00	**1.00**		**9.70**	9.00	**3.14**	3.00	**19.58**	18.75
Genuine Imported Kainit	Baltimore									**13.88**	12.40		
Genuine Imported Kainit	Baltimore									**13.84**	12.40		
Grand Rapid Guano	Baltimore	**2.43**	1.83	**2.86**	3.00	**.70**		**10.10**	10.00	**3.65**	3.00	**24.16**	24.05
Grand Rapid Guano	Baltimore	**2.51**	1.83	**2.90**	3.00	**.85**		**10.25**	10.00	**4.48**	3.00	**25.19**	24.05
Ground Tankage	Forest Hill			**7.67**	7.00			***13.70**	* 5.00			**42.74**	34.50
Half Century Perfection Brand	Baltimore	**3.61**	2.43	**3.99**	4.00	**.80**		**8.50**	8.00	**7.12**	7.00	**30.93**	30.35

* Total Phosphoric Acid.

Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling	H_2O SOL. AMMONIA		NITROGEN Calculated as AMMONIA		PHOSPHORIC ACID				POTASH K_2O.		Comparative Value per Ton Found	Comparative Value Per Ton Guaranteed
						Insoluble		Available					
		FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed		
Baugh & Sons Co., Baltimore, Md.—	**Cont.**												
Half Century Perfection Brand	Baltimore	**3.52**	2.43	**4.03**	4.00	**.80**	.....	**8.20**	8.00	**7.36**	7.00	**$31.08**	$30.35
New Process 10% Guano	Upper Marlboro	**9.29**	7.29	**9.89**	10.00	**.85**	.....	**5.15**	5.00	.....	.....	**48.76**	49.00
New Process 10% Guano	Waldorf	**8.90**	7.29	**9.38**	10.00	**.60**	.....	**5.30**	5.00	.....	.....	**46.54**	49.00
New Process 10% Guano	Baltimore	**9.65**	7.29	**10.28**	10.00	**.70**	.....	**5.40**	5.00	.....	.....	**50.69**	49.00
Peruvian Guano Substitute	Baltimore	**4.68**	3.65	**5.19**	5.00	**1.05**	.....	**8.05**	8.00	**5.16**	5.00	**34.35**	33.15
Peruvian Guano Substitute	Baltimore	**4.72**	3.65	**5.20**	5.00	**.85**	.....	**7.95**	8.00	**5.36**	5.00	**34.45**	33.15
Peruvian Guano Substitute	Baltimore	**4.49**	3.65	**5.00**	5.00	**.90**	.....	**8.00**	8.00	**5.28**	5.00	**33.53**	33.15
Peruvian Guano Substitute	Baltimore	**4.62**	3.65	**5.10**	5.00	**.95**	.....	**8.05**	8.00	**5.04**	5.00	**33.81**	33.15
Phosphate & Potash Mixture	Baltimore	.....	.....	.....	.....	**.95**	.....	**12.05**	12.00	**5.01**	5.00	**14.04**	13.85
Raw Bone Meal	Baltimore	.....	.....	**4.76**	4.50	.....	.....	***22.40**	*21.50	.....	.....	**34.86**	33.15
7% Potato Guano	Baltimore	**6.25**	4.86	**6.80**	7.00	**.70**	.....	**6.40**	6.00	**5.20**	5.00	**40.25**	40.55
7% Potato Guano	Baltimore	**6.57**	4.86	**7.00**	7.00	**.75**	.....	**6.25**	6.00	**5.04**	5.00	**40.89**	40.55
7% Potato Guano	Baltimore	**5.89**	4.86	**6.40**	7.00	**.65**	.....	**6.65**	6.00	**5.12**	5.00	**38.57**	40.55
7% Potato Guano	Baltimore	**6.07**	4.86	**6.58**	7.00	**.60**	.....	**6.90**	6.00	**5.36**	5.00	**39.78**	40.55
7% Potato Guano	Baltimore	**6.39**	4.86	**6.87**	7.00	**.40**	.....	**6.90**	6.00	**5.08**	5.00	**40.82**	40.55
7% Potato Guano	Baltimore	**5.95**	4.86	**6.51**	7.00	**.85**	.....	**6.95**	6.00	**5.00**	5.00	**39.24**	40.55
Special Tobacco Guano	Baltimore	**3.38**	2.42	**3.81**	4.00	**.85**	.....	**8.45**	8.00	**3.88**	4.00	**27.34**	27.80
Special Potato Manure	Baltimore	**1.55**	.90	**2.03**	2.00	**1.05**	.....	**8.35**	8.00	**5.20**	5.00	**20.40**	19.65
Special Potato Manure	Baltimore	**1.71**	.90	**2.12**	2.00	**.88**	.....	**7.62**	8.00	**5.20**	5.00	**20.19**	19.65
Special Tobacco Guano	Baltimore	**3.27**	2.42	**3.90**	4.00	**.85**	.....	**8.45**	8.00	**3.74**	4.00	**27.62**	27.80
Special Tobacco Guano	Waldorf	**3.76**	2.42	**4.20**	4.00	**.75**	.....	**8.25**	8.00	**4.20**	4.00	**29.18**	27.80
Special Tobacco Guano	Baltimore	**3.59**	2.42	**4.00**	4.00	**.65**	.....	**8.65**	8.00	**4.00**	4.00	**28.42**	27.80
The Old Stand By	Walorf	**1.70**	.....	**2.18**	2.00	**.90**	.....	**12.00**	12.00	**2.36**	2.00	**21.56**	20.30
Tomato Compound	Baltimore	**1.53**	.90	**2.01**	2.00	**1.25**	.....	**9.05**	9.00	**3.08**	3.00	**19.10**	18.75
Yucatan Tobacco Guano	Baltimore	**3.38**	1.83	**3.82**	3.00	**.80**	.....	**8.40**	8.00	**4.20**	3.00	**27.60**	22.45
Beckley Fertilizer Co., Half Way, Md.													
1½-10-4	Half Way	**1.08**	.60	**1.59**	1.50	**.95**	.....	**10.10**	10.00	**4.36**	4.00	**19.09**	18.15
J. Bolgiano Seed Co., Inc., Baltimore, Md.													
Square Deal Blood Meal	Baltimore			**16.34**	16.00								

J. Bolgiano Seed Co., Inc., Baltimore, Md.														
Square Deal Blood Meal	Baltimore			**16.34**	16.00			*** 2.00**	* 2.00			**74.73**	73.20
Square Deal Bone Meal	Baltimore			**4.04**	3.00			***24.00**	*22.88			**32.58**	27.23
Square Deal Lawn Dressing	Baltimore			**2.73**	2.25			*** 1.70**	* 1.50	**1.94**	2.00	**14.96**	12.73
Bon Arbor Chemical Co., Paterson, N. J.														
Unsurpassed Soluble Plant Life	Baltimore	**18.37**		**18.44**	19.00	**.10**		**5.70**	4.00	**6.04**	4.00	**92.69**	92.10
Bryant Fertilizer Co., Baltimore, Md.														
Acid Phosphate	Baltimore					**1.35**		**16.35**	16.00			**13.28**	12.80
Burbank Brand	Baltimore	**1.47**	.78	**2.20**	2.00	**1.20**		**9.20**	9.00	**3.32**	3.00	**20.26**	18.75
Planter's Pride	Baltimore	**4.47**	2.97	**4.71**	5.00	**.30**		**8.20**	8.00	**5.28**	5.00	**32.30**	33.15
Planter's Pride	Baltimore	**3.00**	2.97	**3.51**	5.00	**.95**		**8.55**	8.00	**4.48**	5.00	**26.59**	33.15
Regal Brand	Baltimore	**1.79**	.78	**2.01**	2.00	**.40**		**8.40**	8.00	**10.00**	10.00	**24.33**	23.90
Tractor Brand	Baltimore	**3.84**	2.00	**4.06**	4.00	**.20**		**8.65**	8.00	**4.66**	4.00	**29.18**	27.80
Herbert Bryant's Son, Alexandria, Va.														
Belle Haven Ammoniated Bone	Laurel	**1.85**	.60	**2.91**	2.00	**.75**		**8.25**	8.00	**5.84**	5.00	**24.77**	19.65
Belle Haven Ammoniated Bone	Dickerson	**1.10**	.60	**1.68**	2.00	**.75**		**8.75**	8.00	**8.00**	5.00	**21.47**	19.65
Belle Haven Ammoniated Bone	Laurel	**1.10**	.60	**1.78**	2.00	**1.25**		**8.55**	8.00	**5.28**	5.00	**19.53**	19.65
Excelsior Ammoniated Bone	Laurel	**3.86**	2.42	**5.09**	5.00	**1.40**		**8.30**	8.00	**5.36**	5.00	**34.32**	33.15
Excelsior Ammoniated Bone	Laurel	**3.07**	2.42	**4.18**	5.00	**1.30**		**9.70**	8.00	**4.80**	5.00	**30.85**	33.15
Genuine Fish, Bone & Potash	Dickerson	**1.38**	.31	**2.01**	2.00	**.50**		**9.80**	9.00	**2.68**	2.00	**19.25**	17.90
Genuine Fish, Bone & Potash	Laurel	**1.06**	.31	**1.71**	2.00	**1.20**		**9.00**	9.00	**2.71**	2.00	**17.38**	17.90
Golden Grain Grower	Dickerson	**1.48**	.60	**2.44**	2.00	**1.50**		**10.55**	12.00	**2.12**	2.00	**21.45**	20.30
High Grade Truck & Potato Comp.	Laurel	**2.02**	.60	**3.04**	3.00	**1.20**		**8.30**	8.00	**6.00**	5.00	**25.60**	24.15
High Grade Truck & Potato Comp.	Laurel	**1.96**	.60	**2.81**	3.00	**1.65**		**8.65**	8.00	**4.52**	5.00	**23.66**	24.15
Muriate of Potash	Laurel									**53.70**	50.00		
Central Chemical Co., Hagerstown, Md.														
Gro-All Dissolved Phospate	College Park					**.80**		**16.00**	16.00			**12.92**	12.80
Gro-All Dissolved Phosphate	Frederick					**.75**		**16.05**	16.00			**12.95**	12.80
Gro-All Carbo Lime Phosphate	Hancock					**1.55**		**13.05**	13.00			**10.67**	10.40
Gro-All Crown Jewel	Monrovia	**.65**	.60	**.99**	1.00	**.70**		**9.50**	9.00	**4.12**	4.00	**15.67**	15.10
Gro-All Excelsior	Williamsport	**1.59**	.60	**2.05**	2.00	**.55**		**9.05**	8.00	**5.04**	5.00	**20.83**	19.65
Gro-All Excelsior	Baltimore	**1.60**	.60	**2.15**	2.00	**1.40**		**8.05**	8.00	**5.00**	5.00	**20.58**	19.65
Gro-All Excelsior	Baltimore	**2.09**	.60	**2.60**	2.00	**.55**		**8.15**	8.00	**6.15**	5.00	**23.53**	19.65
Gro-All Excelsior	Baltimore	**1.72**	.60	**2.15**	2.00	**1.10**		**8.10**	8.00	**5.00**	5.00	**20.58**	19.65
Gro-All Fish & Potash Compound	Hancock	**.31**	.60	**1.25**	1.25	**1.05**		**9.55**	9.00	**5.22**	4.00	**17.87**	16.23
Gro-All Potato Special	Hancock	**3.21**	.50	**3.99**	4.00	**1.30**		**8.10**	8.00	**7.83**	7.00	**31.30**	30.35
Gro-All Potato Special	Frederick	**2.60**	.50	**3.42**	4.00	**.85**		**7.95**	8.00	**7.92**	7.00	**28.61**	30.35
Gro-All Potash Special	Hancock					**.85**		**11.95**	12.00	**5.04**	5.00	**13.97**	13.85
Gro-All Potash Special	Frederick					**.25**		**11.95**	12.00	**5.36**	5.00	**14.16**	13.85
Gro-All Tobacco Bed Special	Baltimore	**4.86**	.60	**5.80**	10.00	**.75**		**8.00**	4.00	**4.92**	2.00	**36.79**	49.90

* Total Phosphoric Acid.

Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling	H_2O SOL. AMMONIA		NITROGEN Calculated as AMMONIA		PHOSPHORIC ACID				POTASH K_2O.		Comparative Value per Ton Found	Comparative Value Per Ton Guaranteed
						Insoluble		Available					
		FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed		
Delaware River Chemical Works,	**Baltimore, Md.**												
Phosphate & Potash Mixture 0-10-10..	Baltimore.....	.....	.....	.....	.....	**.70**	.....	**10.40**	10.00	**11.04**	10.00	**$17.81**	$16.50
L. E. P. Dennis & Son Co., Crisfield,	**Md.**												
5-8-5.....	Crisfield.....	**3.45**	1.66	**5.00**	5.00	**.35**	.....	**9.35**	8.00	**5.64**	5.00	**34.82**	33.15
5-8-5.....	Crisfield.....	**3.77**	1.66	**5.14**	5.00	**1.15**	.....	**7.95**	8.00	**5.36**	5.00	**34.22**	33.15
7% Potato Grower.....	Crisfield.....	**5.74**	2.34	**6.80**	7.00	**.85**	.....	**6.35**	6.00	**5.08**	5.00	**40.13**	40.55
Sweet Potato.....	Crisfield.....	**1.83**	.85	**3.02**	3.00	**.35**	.....	**7.35**	6.00	**7.24**	8.00	**25.67**	25.10
3-7-5.....	Crisfield.....	**1.88**	1.00	**2.78**	3.00	**.30**	.....	**7.90**	7.00	**6.24**	5.00	**24.18**	23.35
2-8-5.....	Crisfield.....	**1.33**	.67	**2.18**	2.00	**.45**	.....	**8.45**	8.00	**5.08**	5.00	**20.96**	19.65
Devilbiss Bros., New Windsor, Md.													
Butcher House Phosphate, 1-10-5.....	New Windsor.....	**.50**	.30	**.99**	1.00	**.40**	.....	**11.00**	10.00	**6.24**	5.00	**18.62**	16.75
Wheat Grower, 1-9-3.....	New Windsor.....	**.37**	.30	**1.09**	1.00	**.45**	.....	**9.95**	9.00	**3.92**	3.00	**16.27**	14.25
Diamond Fertilizer Co., Baltimore,	**Md.**												
Acid Phosphate.....	Laurel.....	.....	.....	.....	.....	**1.15**	.....	**15.65**	16.00	.....	.....	**12.69**	12.80
All Crop Grower.....	Laurel.....	**1.69**	.60	**2.03**	2.00	**.50**	.....	**7.90**	8.00	**5.24**	5.00	**19.99**	19.65
Fish & Potash Mixture.....	Laurel.....	**2.48**	.60	**2.99**	2.00	**.50**	.....	**9.00**	9.00	**4.30**	3.00	**24.40**	18.75
German Kainit.....	Laurel.....	.....	.....	.....	.....	.....	.....	.....	.....	**15.52**	12.40	.....	.....
Plant Bed Fertilizer.....	Laurel.....	**8.43**	.60	**9.71**	10.00	**1.50**	.....	**5.00**	4.00	**2.30**	2.00	**49.89**	49.90
7% Potatoe Guano.....	Baltimore.....	**6.56**	.60	**7.00**	7.00	**.65**	.....	**6.65**	6.00	**5.28**	5.00	**41.41**	40.55
Wonder Grower.....	Laurel.....	**4.73**	.60	**5.19**	5.00	**.40**	.....	**8.60**	8.00	**5.98**	5.00	**35.38**	33.15
Wonder Grower.....	Baltimore.....	**4.02**	.60	**4.41**	5.00	**.50**	.....	**8.90**	8.00	**5.00**	5.00	**31.30**	33.15
Dorchester Fertilizer Co., Cambridge	**, Md.**												
Acid Phosphate H. G. 16%.....	Cambridge.....	.....	.....	.....	.....	**.90**	.....	**16.80**	16.00	.....	.....	**13.58**	12.80
Crop Compound, 4-8-4	Baltimore.....	**3.70**	2.00	**4.13**	4.00	**.60**	.....	**10.30**	8.00	**4.16**	4.00	**30.46**	27.80
Crop Compound, 4-8-4.....	Baltimore.....	**4.07**	2.00	**4.53**	4.00	**.55**	.....	**8.55**	8.00	**4.36**	4.00	**31.02**	27.80
Crop Compound, 4-8-4.....	Cambridge.....	**3.91**	2.00	**4.32**	4.00	**.65**	.....	**8.55**	8.00	**4.60**	4.00	**30.29**	27.80
Farmer's Delight, 7-6-5.....	Cambridge.....	**5.78**	3.94	**6.26**	7.00	**.60**	.....	**7.10**	6.00	**5.24**	5.00	**38.39**	40.55
Farmer's Favorite, 2-8-10.....	Cambridge.....	**1.63**	**1.50**	**1.89**	2.00	**.50**	.....	**8.20**	8.00	**10.84**	10.00	**24.36**	23.90
Fish Mixture, 2-9-3.....	Cambridge.....	**.87**	1.25	**1.69**	2.00	**1.10**	.....	**10.50**	9.00	**3.04**	3.00	**18.76**	18.75
Fish Mixture, 2-9-3.....	Cambridge.....	**1.40**	1.25	**2.18**	2.00	**1.20**	.....	**9.10**	9.00	**4.10**	3.00	**20.76**	18.75
Fish Mixture, 2-9-3	Baltimore	**1.40**	1.25	**2.20**	2.00	**.90**		**9.50**	9.00	**4.32**	3.00	**21.31**	18.75

Fish Mixture, 2-9-3	Cambridge	**1.40**	1.25	**2.18**	2.00	**1.20**		**9.10**	9.00	**4.10**	3.00	**20.76**	18.75
Fish Mixture, 2-9-3	Baltimore	**1.40**	1.25	**2.20**	2.00	**.90**		**9.50**	9.00	**4.32**	3.00	**21.31**	18.75
Old Dorset, 1-9-4	Cambridge	**.73**	.60	**1.19**	1.00	**.80**		**9.60**	9.00	**4.76**	4.00	**17.21**	15.10
Our Special, 2-8-5	Cambridge	**1.34**	1.15	**1.83**	2.00	**.90**		**9.00**	8.00	**5.28**	5.00	**20.07**	19.65
Our Special, 2-8-5	Cambridge	**1.77**	1.15	**2.23**	2.00	**.75**		**8.75**	8.00	**5.36**	5.00	**21.71**	19.65
Sweet Potato Compound, 3-8-8	Cambridge	**2.27**	1.40	**2.70**	3.00	**.75**		**8.95**	8.00	**8.80**	8.00	**26.90**	26.70
Truck Grower, 5-8-5	Cambridge	**4.54**		**5.02**	5.00	**.85**		**9.25**	8.00	**5.00**	5.00	**34.37**	33.15
Dumont Fertilizer Co., Inc., Philadel	**phia, Pa.**												
Five Eight	Baltimore	**3.96**	3.04	**4.54**	5.00	**.70**		**8.30**	8.00			**27.18**	28.90
Four Eight & Five	Baltimore	**3.53**	2.42	**4.04**	4.00	**.55**		**8.75**	8.00	**4.67**	5.00	**29.23**	28.65
Raw Bone Meal	Baltimore			**4.52**	4.50			***23.00**	*21.00			**34.14**	32.85
Earp-Thomas Cultures Corp., Long	**Island City, N. Y.**												
Stim-U-planT	Baltimore	**12.80**		**13.07**	13.35	**.15**		**14.00**	11.71	**17.05**	15.00	**84.53**	82.13
Edelen Bros., Baltimore Md.													
Red Tobacco Guano	Baltimore	**2.49**	.60	**3.00**	3.00	**.75**		**7.65**	8.00	**6.80**	6.00	**25.51**	25.00
Red Tobacco Guano	Baltimore	**2.56**	.60	**3.07**	3.00	**.80**		**8.70**	8.00	**5.46**	6.00	**25.54**	25.00
Red Tobacco Guano	Baltimore	**2.49**	.60	**3.04**	3.00	**.75**		**7.95**	8.00	**6.62**	6.00	**25.78**	25.00
Special Tobacco Guano	Baltimore	**1.36**	.60	**1.79**	2.00	**.85**		**8.00**	8.00	**5.16**	3.00	**18.98**	17.95
10% Tobacco Bed Spec. with 2% Pot.	Baltimore	**8.25**	5.00	**9.50**	10.00	**2.50**		**4.60**	4.00	**2.16**	2.00	**48.65**	49.90
10% Tobacco Bed Spec. with 2% Pot..	Baltimore	**8.52**	5.00	**9.83**	10.00	**2.50**		4.50	4.00	**2.32**	2.00	**50.19**	49.90
Wheat & Grain Mixture	Baltimore	**.65**	.60	**1.11**	1.00	**.75**		**9.05**	9.00	**4.00**	4.00	**15.75**	15.10
Wheat & Grain Mixture	Baltimore	**.44**	.60	**.99**	1.00	**1.00**		**9.20**	9.00	**4.04**	4.00	**15.40**	15.10
Farmers & Planters Co. Salisbury, M	**d.**												
Acid Phosphate, H. G	Salisbury					**.35**		**16.35**	16.00			**13.13**	12.80
Early Truck	Salisbury	**3.38**	3.34	**4.16**	4.00	**1.25**		**8.85**	8.00	**5.78**	4.00	**30.90**	27.80
General Crop Grower	Salisbury	**.99**	.97	**1.31**	1.00	**1.05**		**12.25**	10.00	**3.40**	2.00	**18.75**	14.20
High Grade 5%	Salisbury	**4.93**	3.65	**5.89**	5.00	**1.03**		**7.52**	7.00	**6.00**	5.00	**37.78**	32.35
High Grade 7%	Sailsbury	**6.47**	4.86	**7.20**	7.00	**1.00**		**6.30**	6.00	**5.96**	5.00	**42.66**	40.55
Sweet Potato Special	Salisbury	**3.28**	2.12	**3.95**	3.00	**.85**		**7.95**	8.00	**8.78**	7.00	**31.73**	25.85
Fred'k. Mehring Fertilizer Works Inc	**., Keymar, Md.**												
Acid Phosphate	Keymar					**1.20**		**16.60**	16.00			**13.46**	12.80
Mamouth Truck Grower	Keymar	**1.40**	1.32	**2.00**	2.00	**1.30**		**9.20**	8.00	**5.76**	5.00	**21.46**	19.65
Special Pea Mixture	Keymar					**.85**		**12.35**	12.00	**10.32**	10.00	**18.78**	18.10
Griffith & Boyd Co., Baltimore, Md.													
Acid Phosphate H. G	Chewsville					**.55**		**17.15**	16.00			**13.80**	12.80
Acid Phosphate H. G	Baltimore					**.65**		**16.45**	16.00			**13.26**	12.80
Accomac Trucker	Baltimore	**2.78**	1.21	**4.54**	5.00	**.75**		**7.25**	6.00	**4.82**	5.00	**30.44**	31.55
Accomac Trucker	Baltimore	**3.77**	1.21	**5.12**	5.00	**.35**		**6.55**	6.00	**6.18**	5.00	**33.58**	31.55

* Total Phosphoric Acid.

Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling	H_2O SOL. AMMONIA		NITROGEN Calculated as AMMONIA		PHOSPHORIC ACID				POTASH K_2O.		Comparative Value per Ton Found	Comparative Value Per Ton Guaranteed
						Insoluble		Available					
		FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed		
Griffith & Boyd Co., Baltimore, Md.													
Farmers Potato Manure	Baltimore	.63	.31	1.14	1.00	.60	.....	8.40	8.00	7.30	6.00	$18.15	$16.00
Fish, Blood & Potash	Baltimore	1.02	.36	1.77	1.75	1.10	.....	10.00	10.25	2.16	2.00	17.98	17.78
General Crop Grower	Baltimore	1.42	.48	2.03	2.00	.50	.....	8.55	9.00	3.20	3.00	18.78	18.75
General Crop Grower	Baltimore	1.36	.48	2.18	2.00	.50	.....	9.70	9.00	3.36	3.00	20.51	18.75
Gilt Edge Crop Guano	Baltimore	.99	.48	2.00	2.00	1.20	.....	8.00	8.00	9.36	10.00	23.54	23.90
Gilt Edge Crop Guano	Baltimore	.92	.48	1.86	2.00	.70	.....	8.00	8.00	10.00	10.00	23.38	23.90
Growers Favorite	Baltimore	1.03	.48	2.00	2.00	1.00	.....	8.70	8.00	8.76	10.00	23.56	23.90
Growers Favorite	Baltimore	3.20	.97	3.92	4.00	.50	.....	8.20	8.00	4.00	4.00	27.68	27.80
Growers Favorite	Baltimore	3.30	.97	3.69	4.00	.60	.....	8.10	8.00	4.68	4.00	27.16	27.80
Growers Favorite	Baltimore	3.13	.97	4.10	4.00	.30	.....	9.40	8.00	4.32	4.00	29.69	27.80
Growers Favorite	Baltimore	3.69	.97	5.04	4.00	.55	.....	7.40	8.00	4.57	4.00	32.56	27.80
Kainit	Baltimore	2.49	.97	3.74	4.00	.65	.....	8.55	8.00	5.14	4.00	28.14	27.80
Kainit	Baltimore	.....	.....	.....	.....	.....	.....	.....	.....	14.60	12.40	.....	.....
Kainit	Baltimore	.....	.....	.....	.....	.....	.....	.....	.....	18.32	12.40	.....	.....
Lime Phosphate	Baltimore	.....	.....	.....	.....	.....	.....	.....	.....	12.98	12.40	.....	.....
Muriate of Potash	Baltimore	.....	.....	.....	.....	1.13	.....	12.77	13.00	.....	.....	10.39	10.40
Nitrate of Soda	Chewsville	.....	.....	.....	.....	.....	.....	.....	.....	54.40	48.00	.....	.....
Nitrate of Soda	Baltimore	.....	.....	18.16	18.00	.....	.....	.....	.....	.....	.....	.....	.....
Nitro Crop Feeder	Baltimore	.....	.....	18.86	18.00	.....	.....	.....	.....	.....	.....	.....	.....
Peerless Fertilizer	Baltimore	7.91	3.65	8.34	8.00	.25	.....	4.25	4.00	3.03	2.00	43.55	40.90
Pure Fine Ground Bone Meal	Baltimore	.63	.24	1.14	1.00	.65	.....	10.05	10.00	3.92	3.00	16.60	15.05
Pure Fine Ground Bone Meal	Baltimore	.....	.....	4.48	4.50	.....	.....	*19.15	*20.00	.....	.....	31.65	32.25
7% Potato Guano	Baltimore	.....	.....	4.27	4.50	.....	.....	*22.00	*20.00	.....	.....	32.42	32.25
Special Guano	Baltimore	4.83	1.71	6.84	7.00	1.10	.....	6.40	6.00	5.36	5.00	40.63	40.55
Special Potato Guano	Baltimore	1.25	.48	2.03	2.00	.60	.....	8.60	8.00	5.00	5.00	20.36	19.65
Special Potato Guano	Baltimore	2.61	.97	3.79	4.00	.60	.....	8.70	8.00	6.24	6.00	29.41	29.50
Special Potato Guano	Baltimore	2.51	.97	3.64	4.00	.35	.....	8.05	8.00	6.52	6.00	28.41	29.50
Special Potato Guano	Baltimore	2.21	.97	3.75	4.00	.70	.....	8.10	8.00	6.24	6.00	28.77	29.50
Spring Crop Grower	Baltimore	2.84	.97	3.83	4.00	.55	.....	8.85	8.00	5.66	6.00	29.21	29.50
Strawberry Mixture	Baltimore	.91	.60	1.95	2.50	1.05	.....	8.35	8.00	4.32	4.00	19.29	21.05
Sulphate of Ammonia	Baltimore	.....	.....	25.36	25.00	.....	.....	6.60	6.00	.....	.....	29.45	31.80

Tobacco & Vegetable Grower	Baltimore	3.16	.73	4.10	3.00	.35	.....	8.35	9.00	3.96	3.00	28.55	23.25

Sulphate of Ammonia	Baltimore			**25.36**	25.00	**.90**		**6.60**	6.00			**29.45**	31.80
Tobacco & Vegetable Grower	Baltimore	**3.16**	.73	**4.10**	3.00	**.35**		**8.35**	9.00	**3.96**	3.00	**28.55**	23.25
Truckers Special	Baltimore	**3.22**	1.21	**4.65**	5.00	**.40**		**8.10**	8.00	**5.94**	5.00	**32.52**	33.15
XX Potash Manure	Baltimore					**.85**		**10.05**	10.00	**5.16**	5.00	**12.56**	12.25
Griffith & Turner Co., Baltimore, Md.													
Ammoniated Alkaline Plant Food	Baltimore	**.53**	.24	**1.13**	1.00	**1.73**		**5.17**	6.50	**1.68**	1.50	**10.92**	10.98
Ammoniated Butchers Bone	Baltimore	**.72**	.31	**1.08**	1.25	**.85**		**8.95**	9.00	**1.76**	1.50	**13.65**	14.11
Ammoniated Butchers Bon	Baltimore	**.89**	.31	**1.37**	1.25	**.75**		**9.75**	9.00	**1.50**	1.50	**15.36**	14.11
Animal Bone Phosphate	Baltimore	**2.41**	.60	**2.92**	2.50	**.70**		**10.70**	10.00	**1.52**	1.50	**23.10**	20.53
Animal Bone Phosphate	Baltimore	**1.59**	.60	**2.27**	2.50	**1.00**		**10.10**	10.00	**1.64**	1.50	**19.84**	20.53
Animal Bone Phosphate	Baltimore	**1.31**	.60	**2.56**	2.50	**.60**		**10.30**	10.00	**1.64**	1.50	**21.24**	20.53
Soft Ground Bone Meal	Baltimore			**3.17**	3.00			***13.80**	*11.00			**22.55**	20.10
Soft Ground Bone Meal	Baltimore			**3.69**	3.00			***13.30**	*11.00			**24.59**	20.10
Special Potato Fertilizer	Baltimore	**.63**	.24	**1.14**	1.00	**.75**		**8.05**	8.00	**5.56**	4.00	**16.41**	14.30
Special Truck Mixture	Baltimore	**2.75**	.97	**3.84**	4.00	**.50**		**8.20**	8.00	**6.36**	6.00	**29.33**	29.50
Gro Mor Plant Food Co., Westminster, Md.													
Gro-Mor Plant Food	Westminster	**.82**	5.00	**3.53**	8.00			* **9.90**	* 7.00	**5.26**	6.00	**26.30**	45.30
Hagerstown Spray Material Co., Hagerstown, Md.													
Nitrate of Soda	Chewsville			**19.12**	18.07								
Hampstead Fertilizer Co., Hampstead, Md.													
1-8-4	Hampstead	**.66**	.60	**1.09**	1.00	**.60**		**8.10**	8.00	**4.36**	4.00	**15.19**	14.30
Herbert F. Harr, Cockeysville, Md.													
5-8-5	Cockeysville	**3.39**		**5.56**	5.00	**1.75**		**7.75**	8.00	**5.36**	5.00	**36.04**	33.15
1-9-3	Cockeysville	**.41**	.50	**1.28**	1.00	**1.15**		**9.15**	9.00	**3.32**	3.00	**16.07**	14.25
4-8-4	Cockeysville	**2.92**	2.00	**3.91**	4.00	**1.10**		**8.00**	8.00	**4.00**	4.00	**27.57**	27.80
2-8-5	Cockeysville	**1.11**	1.00	**2.48**	2.00	**1.00**		**8.00**	8.00	**5.20**	5.00	**22.13**	19.65
2-8-2	Cockeysville	**2.19**	1.00	**2.92**	2.00	**.80**		**8.70**	8.00	**2.54**	2.00	**22.38**	17.10
Horsey Roe & Co., Greensboro, Md.													
Acid Phosphate, 16%	Greensboro					**.40**		**16.40**	16.00			**13.18**	12.80
Corn Grower	Greensboro					**.30**		**8.30**	8.00	**8.04**	7.00	**13.52**	12.35
Crop Grower	Greensboro	**.29**	.50	**.99**	1.00	**1.25**		**10.55**	9.00	**5.30**	4.00	**17.60**	15.10
5-8-5	Greensboro	**3.00**	3.00	**4.50**	5.00	**3.20**		**9.60**	8.00	**5.72**	5.00	**33.27**	33.15
Tomato 'F"	Greensboro	**1.64**	1.50	**2.89**	3.00	**3.75**		**8.75**	8.00	**9.32**	8.00	**28.49**	26.70
3-8-4	Greensboro	**2.44**	1.75	**3.29**	3.00	**1.55**		**8.45**	8.00	**5.84**	4.00	**26.76**	23.30
2-8-5	Greensboro	**1.88**	1.00	**2.55**	2.00	**3.45**		**8.65**	8.00	**6.72**	5.00	**24.63**	19.65
0-12-5	Greensboro					**.25**		**13.65**	12.00	**5.62**	5.00	**15.74**	13.85

* Total Phosphoric Acid.

Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling	H_2O SOL. AMMONIA		NITROGEN Calculated as AMMONIA		PHOSPHORIC ACID				POTASH K_2O.		Comparative Value per Ton Found	Comparative Value Per Ton Guaranteed
						Insoluble		Available					
		FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed		
Hubbard Fertilizer Co., Baltimore, Md.													
1-9-4 Fertilizer	Baltimore	.53	.....	1.08	1.00	.90	.....	9.10	9.00	4.28	4.00	$15.92	$15.10
1-8-3 Fertllizer	Baltimore	.56	.....	1.02	1.00	1.00	.....	8.00	8.00	4.26	3.00	14.76	13.45
Lime Phosphate, 13%	Baltimore	.....	.....	.....	.....	2.58	.....	11.92	13.00	.....	.....	9.93	10.40
Lime Phosphate, 13%	Baltimore	.....	.....	.....	.....	2.55	.....	11.75	13.00	.....	.....	9.78	10.40
Money Maker Fertilizer	Baltimore	1.46	1.00	2.01	2.00	1.48	.....	7.12	8.00	5.36	5.00	19.53	19.65
Money Maker Fertilizer	Baltimore	1.61	1.00	2.12	2.00	1.00	.....	8.00	8.00	5.38	5.00	20.66	19.65
Money Maker Fertilizer	Baltimore	1.43	1.00	2.03	2.00	.85	.....	8.15	8.00	5.12	5.00	20.14	19.65
Money Maker Fertilizer	Baltimore	1.57	1.00	2.01	2.00	.63	.....	8.07	8.00	5.82	5.00	20.55	19.65
New 5% Seal	Baltimore	4.11	3.00	4.76	5.00	1.30	.....	7.50	8.00	4.28	5.00	31.26	33.15
New 5% Seal	Baltimore	3.47	3.00	4.23	5.00	1.25	.....	8.45	8.00	5.12	5.00	30.34	33.15
Pure Ground Raw Bone	Baltimore	.....	.....	4.68	4.50	.....	.....	*20.90	*21.50	.....	.....	33.60	33.15
7% Royal Seal	Baltimore	6.18	5.00	7.03	7.00	1.45	.....	6.15	6.00	5.04	5.00	41.06	40.55
2-9-5	Baltimore	1.33	1.00	1.91	2.00	.80	.....	9.20	9.00	5.20	5.00	20.50	20.45
2-8-2	Baltimore	1.43	1.00	2.08	2.00	1.40	.....	8.10	8.00	2.56	2.00	18.23	17.10
10-4-2	Baltimore	7.88	8.00	8.65	10.00	1.15	.....	4.95	4.00	2.36	2.00	45.07	49.90
10-4-2	Baltimore	8.56	8.00	9.14	10.00	1.00	.....	4.40	4.00	3.46	2.00	47.74	49.90
10-4-2	Baltimore	9.26	8.00	10.01	10.00	1.20	.....	4.30	4.00	2.30	2.00	50.63	49.90
10-4-2	Baltimore	8.80	8.00	9.55	10.00	1.05	.....	4.95	4.00	2.32	2.00	49.08	49.90
10-5-0	Baltimore	8.14	8.00	8.92	10.00	.90	.....	5.10	5.00	.....	.....	44.36	49.00
Independent Manufacturing Co., Philadelphia, Pa.													
4-8-5	Hurlock	1.81	.....	3.14	4.00	2.10	.....	7.60	8.00	10.28	5.00	29.27	28.65
2-8-5	Hurlock	1.66	.....	2.12	2.00	1.75	.....	8.75	8.00	6.17	5.00	22.04	19.65
Jarecki Chemical Co., Baltimore, Md.													
Sweet Potato Grower	Baltimore	2.30	1.50	3.02	3.00	.65	.....	8.15	8.00	8.68	8.00	27.59	26.70
Kuttroff, Pickhardt & Co. Inc., New York, N. Y.													
Floranid (Urea B. A. S. F.)	Baltimore	.....	.....	56.75	55.93	.....	.....	.....	.....	.....	.....	.....	.....
Lancaster Chemical Co., Lancaster, Pa.													
Potato Special	Aiken	1.23	.....	1.71	2.00	1.00	1.00	8.40	8.00	8.80	10.00	22.05	24.05
J. Manns & Co., Baltimore, Md.													
Nitrate of Soda	Baltimore	.....	.....	19.12	18.00	.....	.....	.....	.....	.....	.....	.....	.....

Potato Special	Aiken	1.23		1.71	2.00	1.00	1.00	8.40	8.00	8.80	10.00	22.05	24.05
J. Manns & Co., Baltimore, Md.													
Nitrate of Soda	Baltimore			19.12	18.00								
Maryland Milling & Supply Co., Sykesville, Md.													
Acid Phosphate H. G.	Sykesville					.90		16.80	16.00			13.58	12.80
Newmans Favorite	Sykesville	1.45		3.12	2.00	.70		8.90	8.00	4.44	5.00	25.04	19.65
Warfields "Special"	Sykesville	.36		1.83	1.00	.85		9.05	8.00	3.08	4.00	18.23	14.30
Massey & Wilmer, Chestertown, Md.													
Tom Junior	Chestertown	4.10	3.89	5.02	5.00	1.95		8.10	8.00	5.68	5.00	34.19	33.15
Trustworthy	Chestertown	1.10	.97	1.82	2.00	1.35		9.15	8.00	6.45	5.00	21.19	19.65
Trustworthy	Chestertown	.93	.97	1.78	2.00	1.75		9.25	8.00	5.32	5.00	20.19	19.65
Medford Fertilizer Works, Medford, Md.													
1-8-5	Medford	.36	.25	.99	1.00	.90		8.00	8.00	6.48	5.00	16.51	15.15
1-10-5	Medford	.51		1.11	1.00	.95		9.65	10.00	5.12	5.00	17.21	16.75
2-8-5	Medford	.89	.25	2.00	2.00	.50		9.00	8.00	6.24	5.00	21.58	19.65
Miller Fertilizer Co., Baltimore, Md.													
Acid Phosphate	Baltimore					.65		17.05	16.00			13.74	12.80
Acid Phosphate	Baltimore					1.20		16.10	16.00			13.06	12.80
Acid Phosphate	Baltimore					1.00		16.40	16.00			13.27	12.80
Harvest Queen	Baltimore	.75		1.31	1.00	.70		9.40	9.00	4.36	4.00	17.24	15.10
High Grade Potato Fertilizer	Baltimore	6.06	5.00	7.03	7.00	1.20		5.80	6.00	5.00	5.00	40.71	40.55
Kainit	Baltimore									13.52	12.00		
Kainit	Baltimore									12.40	12.00		
Kainit	Elkton									11.68	12.00		
Muriate of Potash	Elkton									54.40	50.00		
2-8-5	Baltimore	1.44	.67	2.00	2.00	1.13		8.77	8.00	5.80	5.00	21.12	19.65
2-8-5	Forest Hill	1.54	1.00	2.05	2.00	.95		7.10	8.00	5.52	5.00	19.74	19.65
Scott's Potato Grower	Rising Sun	1.67	1.00	2.18	2.00	.60		7.35	8.00	11.52	10.00	25.57	23.90
Scott's Potato Grower	Elkton	1.28	1.00	2.03	2.00	1.95		7.40	8.00	11.34	10.00	24.99	23.90
Scott's Potato & Truck Special	Rising Sun	1.31	1.00	2.03	2.00	1.20		8.00	8.00	5.00	5.00	19.97	19.65
Scott's Potato & Truck Special	Baltimore	1.39	1.00	1.90	2.00	.75		8.05	8.00	5.32	5.00	19.62	19.65
Scott's Soluble Phosphate & Potash	Rising Sun					.70		11.85	12.00	5.24	5.00	14.04	13.85
Scott's Special Grain Grower	Rising Sun	.52		1.08	1.00	1.03		8.77	9.00	4.00	4.00	15.43	15.10
Scott's Special Grain Grower	Elkton	.63		1.09	1.00	.98		8.52	9.00	4.28	4.00	15.52	15.10
Scott's Sure Growth Super-Phosphate	Elkton	1.38	1.00	2.03	2.00	1.10		8.65	9.00	3.64	3.00	19.32	18.75
Scott's Sure Growth Super-Phosphate	Baltimore	1.36	1.00	2.01	2.00	.98		9.02	9.00	3.04	3.00	19.00	18.75
Standard Phosphate	Baltimore	2.51	2.00	3.11	3.00	1.03		7.82	8.00	3.00	3.00	22.96	22.45
Standard Phosphate	Baltimore	2.55	2.00	2.99	3.00	.80		8.20	8.00	3.00	3.00	22.69	22.45
Tip Top Soluble Phosphate	Elkton					1.20		16.50	16.00			13.38	12.80
Vegetable Compound	Baltimore	4.76	3.00	5.58	5.00	1.05		7.30	8.00	5.16	5.00	35.50	33.15

* Total Phosphoric Acid.

Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling	H_2O SOL. AMMONIA		NITROGEN Calculated as AMMONIA		PHOSPHORIC ACID				POTASH K_2O.		Comparative Value per Ton Found	Comparative Value Per Ton Guaranteed
						Insoluble		Available					
		FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed		
G. Ober & Sons Co., Baltimore, Md.													
Acid Phosphate H. G.	Baltimore	.....	.....	.....	.....	1.10	.....	16.50	16.00	.....	.....	$13.37	$12.80
Acid Phosphate H. G	Baltimore	.....	.....	.....	.....	1.05	.....	16.95	16.00	.....	.....	13.72	12.80
Blue Ribbon Tobacco Fertilizer	Baltimore	2.95	1.34	3.94	4.00	1.20	.....	8.90	8.00	4.16	4.00	28.57	27.80
Blue Ribbon Tobacco Fertilizer	Baltimore	2.82	1.34	3.96	4.00	1.20	.....	8.30	8.00	4.12	4.00	28.14	27.80
Blue Ribbon Tobacco Fertilizer	Baltimore	2.91	1.34	4.10	4.00	.90	.....	8.90	8.00	4.08	4.00	29.18	27.80
Bone Mixture	Baltimore	2.85	1.34	3.82	4.00	1.10	.....	8.10	8.00	4.20	4.00	27.41	27.80
Fruit & Vine Truck Guano	Baltimore	1.26	.70	2.20	2.00	2.85	.....	8.95	9.00	5.28	5.00	21.98	20.45
Fruit & Vine Truck Guano	Baltimore	3.48	1.70	5.02	5.00	.80	.....	8.30	8.00	5.08	5.00	33.67	33.15
Fruit & Vine Truck Guano	Baltimore	3.55	1.70	5.02	5.00	.80	.....	8.10	8.00	5.16	5.00	33.58	33.15
Fruit & Vine Truck Guano	Baltimore	3.55	1.70	5.12	5.00	.90	.....	8.20	8.00	5.16	5.00	34.13	33.15
Fruit & Vine Truck Guano	Baltimore	3.53	1.70	5.03	5.00	.85	.....	8.45	8.00	5.02	5.00	33.80	33.15
Fruit & Vine Truck Guano	Baltimore	3.52	1.70	5.00	5.00	.90	.....	8.50	8.00	5.20	5.00	33.86	33.15
Fruit & Vine Truck Guano	Baltimore	3.69	1.70	5.02	5.00	.90	.....	8.20	8.00	5.18	5.00	33.69	33.15
Kainit	Baltimore	3.60	1.70	5.02	5.00	1.35	.....	8.05	8.00	5.30	5.00	33.74	33.15
Kainit	Baltimore	.....	.....	.....	.....	.....	.....	.....	.....	13.28	12.40	.....	.....
Maryland Cigarette Tobacco Fert.	Baltimore	.....	.....	.....	.....	.....	.....	.....	.....	15.52	12.40	.....	.....
Maryland Cigarette Tobacco Fert.	Baltimore	3.58	1.70	4.91	5.00	.90	.....	8.20	8.00	5.40	5.00	33.39	33.15
Maryland Tobacco Growers Special	Baltimore	3.52	1.70	4.66	5.00	1.50	.....	8.30	8.00	5.04	5.00	32.12	33.15
Maryland Tobacco Growers Special	Baltimore	3.50	1.70	4.76	5.00	1.75	.....	7.50	8.00	7.08	7.00	33.70	34.85
Nitrate of Soda	Baltimore	3.52	1.70	4.71	5.00	1.20	.....	8.05	8.00	7.08	7.00	33.84	34.85
Nitrate of Soda	Baltimore	.....	.....	18.30	18.00	.....	.....	.....	.....	.....	.....	.....	.....
Pure Raw Bone Meal	Baltimore	.....	.....	18.54	18.00	.....	.....	.....	.....	.....	.....	.....	.....
Red Seal Tobacco Fertilizer	Baltimore	.....	.....	4.69	4.50	.....	.....	*21.10	*21.00	.....	.....	33.77	32.85
Red Seal Tobacco Fertilizer	Baltimore	2.76	1.34	3.78	4.00	1.15	.....	8.45	8.00	5.00	5.00	28.19	28.65
Red Seal Tobacco Fertilizer	Baltimore	2.90	1.34	3.86	4.00	1.33	.....	7.67	8.00	5.20	5.00	28.13	28.65
Red Seal Tobacco Fertilizer	Baltimore	2.87	1.34	4.18	4.00	1.10	.....	7.80	8.00	5.36	5.00	29.78	28.65
Southern Md. Tob. Compound 7%	Baltimore	2.88	1.34	4.01	4.00	1.58	.....	7.97	8.00	4.60	5.00	28.58	28.65
Southern Md. Tob. Compound 7%	Baltimore	4.67	2.34	6.29	7.00	1.25	.....	6.25	6.00	6.04	5.00	38.63	40.55
Southern Md. Tob. Compound 7%	Baltimore	4.77	2.34	6.58	7.00	1.20	.....	6.50	6.00	6.16	5.00	40.23	40.55
Special Compound for Tobacco	Baltimore	4.74	2.34	6.38	7.00	1.25	.....	6.35	6.00	5.78	5.00	38.89	40.55
Special Compound for Tobacco	Baltimore	2.22	1.00	2.99	3.00	1.50	.....	8.00	8.00	3.00	3.00	22.64	22.45
Special Compound for Tobacco	Baltimore	2.24	1.00	2.99	3.00	1.73	.....	7.62	8.00	3.04	3.00	22.40	22.45
Special Compound for Tobacco	Baltimore	2.25	1.00	3.07	3.00	2.55	.....	7.45	8.00	3.08	3.00	22.78	22.45

Special Compound for Tobacco	Baltimore	2.22	1.00	2.99	3.00	1.50		8.00	8.00	3.00	3.00	22.64	22.45
Special Compound for Tobacco	Baltimore	2.24	1.00	2.99	3.00	1.73		7.62	8.00	3.04	3.00	22.40	22.45

Special Compound for Tobacco	Baltimore	2.25	1.00	3.07	3.00	2.55		7.45	8.00	3.08	3.00	22.78	22.45
Special Plant Food	Baltimore	1.33	.70	2.01	2.00	2.30		9.30	9.00	4.36	5.00	20.55	20.45
Special Plant Food	Baltimore	1.75	.70	2.59	2.00	1.35		9.15	9.00	5.08	5.00	23.50	20.45
Special Plant Food	Baltimore	1.42	.70	2.17	2.00	1.70		9.10	9.00	5.32	5.00	21.83	20.45
Special Plant Food	Baltimore	1.38	.70	2.05	2.00	1.90		8.70	9.00	5.32	5.00	21.00	20.45
Special Plant Food	Baltimore	1.55	.70	2.18	2.00	2.50		8.90	9.00	5.20	5.00	21.73	20.45
Special Tobacco Bed Fertilizer	Baltimore	7.98	3.34	8.36	10.00	1.00		5.80	5.00			42.41	49.00
Special Tobacco Bed Fertilizer	Baltimore	8.39	3.34	8.90	10.00	1.20		5.00	5.00			44.23	49.00
Stag Guano	Baltimore	.67	.34	1.25	1.00	1.70		10.40	9.00	4.36	4.00	17.92	15.10
Stag Guano	Baltimore	.68	.34	1.19	1.00	2.00		10.90	9.00	4.04	4.00	17.81	15.10
Stag Guano	Baltimore	.81	.34	1.29	1.00	1.95		9.15	9.00	4.54	4.00	17.28	15.10
Standard Southern Vegetable Com	Baltimore	5.68	2.34	6.59	7.00	1.00		6.30	6.00	5.28	5.00	39.34	40.55
Standard Southern Vegetable Com	Baltimore	4.62	2.34	6.50	7.00	.95		6.15	6.00	5.20	5.00	38.73	40.55
Standard Southern Vegetable Com	Baltimore	4.92	2.34	6.59	7.00	.80		6.00	6.00	5.78	5.00	39.49	40.55
Standard Southern Vegetable Com	Baltimore	5.00	2.34	6.86	7.00	.90		6.20	6.00	5.80	5.00	40.90	40.55
Starkey Truck Compound	Baltimore	2.79	1.84	3.78	4.00	.80		8.50	8.00	5.04	5.00	28.21	28.65
Sulphate of Anmonia	Baltimore			25.76	25.00								
Sulphate of Potash	Baltimore									51.40	48.00		
Sulphate of Potash	Baltimore									50.94	48.00		
Superior Potato & Vegetable Grower	Baltimore	1.54	.70	2.10	2.00	1.40		8.30	8.00	10.00	10.00	24.80	23.90
Superior Potato & Vegetable Grower	Baltimore	1.51	.70	2.18	2.00	1.18		7.62	8.00	10.40	10.00	24.93	23.90
Super Wheat & Grain Grower	Baltimore	2.34	1.00	2.99	3.00	1.15		11.55	12.00	3.76	3.00	26.07	25.65
Super Wheat & Grain Grower	Baltimore	2.10	1.00	3.02	3.00	6.33		9.77	2.00	3.36	3.00	25.22	25.65
Swan (E) Fish Guano	Baltimore	1.57	.70	2.15	2.00	1.75		9.55	9.00	3.16	3.00	20.27	18.75
Swan (E) Fish Guano	Baltimore	1.60	.70	2.28	2.00	2.20		9.60	9.00	3.12	3.00	20.92	18.75
Sweet Potato Grower	Baltimore	2.38	1.00	3.16	3.00	.65		8.85	8.00	8.40	8.00	28.54	26.70
Sweet Potato Grower	Baltimore	2.17	1.00	2.82	3.00	.85		8.55	8.00	8.40	8.00	26.80	26.70
Twelve & Five Potash Compound	Baltimore					1.50		9.45	12.00	5.36	5.00	12.35	13.85
Old Gardener Co., Pittsburgh, Pa.													
Old Gardener Fertilizer	Baltimore	2.97	3.04	3.14	2.50	3.13		8.12	10.00	4.55	4.00	24.97	22.65
Oyler & Spangler Fertilizer Works, Gettysburg, Pa.													
Excelsior	Emmitsburg	1.19		2.01	2.00	1.75		7.95	8.00	5.04	5.00	19.95	19.65
Potash Special	Emmitsburg					.50		12.60	12.00	5.36	5.00	14.72	13.85
Patuxent Guano Co., Baltimore, Md.													
Beaver Brand Guano	Baltimore	.63	.60	1.06	1.00	.90		9.20	9.00	4.36	4.00	15.98	15.10

* Total Phosphoric Acid.

Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling	H_2O SOL. AMMONIA		NITROGEN Calculated as AMMONIA		PHOSPHORIC ACID				POTASH K_2O.		Comparative Value per Ton Found	Comparative Value Per Ton Guaranteed
						Insoluble		Available					
		FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed		
Peerless Fertilizer Co., Chestertown, Md.													
Acid Phosphate	Chestertown					.40		17.60	16.00			$14.14	$12.80
American Standard	Chestertown	2.59	1.84	3.99	4.00	.75		6.25	6.00	6.48	5.00	28.58	27.05
Early Trucker	Chestertown	4.16	2.60	5.17	5.00	.75		7.95	8.00	7.16	5.00	35.83	33.15
Kainit	Chestertown									14.20	12.00		
Imperial Compound	Chestertown	1.00	.48	1.43	1.00	.60		8.50	8.00	4.78	4.00	17.39	14.30
Peerless	Chestertown	1.12	.90	2.01	2.00	.85		8.75	8.00	5.28	5.00	20.67	19.65
Rock & Kainit	Chestertown					.40		9.30	8.00	5.46	6.00	12.14	11.50
Sweet Potato	Chestertown	1.25	.90	2.05	2.00	.80		7.00	7.00	9.24	7.00	22.80	20.55
Piedmont-Mt. Airy Guano Co., Baltimore, Md.													
Acid Phosphate	Cumberland					2.45		16.05	16.00			13.21	12.80
Acid Phosphate	Baltimore					1.10		16.20	16.00			13.13	12.80
Acid Phosphate	Baltimore					1.20		16.00	16.00			12.98	12.80
Champion Trucker	Baltimore					.75		20.55	20.00			16.55	16.00
Early Trucker	Baltimore	2.34	1.00	2.89	3.00	2.33		6.92	8.00	5.35	5.00	23.45	24.15
Farmers Favorite	Baltimore	3.78	1.66	4.38	5.00	1.90		5.90	6.00	5.32	5.00	29.24	31.55
Farmers Favorite	Baltimore	.71	.32	1.29	1.00	1.20		9.40	9.00	4.28	4.00	17.15	15.10
5-8-5 Fertilizer	Baltimore	.69	.32	1.29	1.00	1.15		9.35	9.00	4.36	4.00	17.17	15.10
5-8 5 Fertilizer	Baltimore	3.54	1.66	4.10	5.00	1.60		8.05	8.00	5.16	5.00	29.52	33.15
5-8-5 Fertilizer	Baltimore	4.30	1.66	4.86	5.00	1.35		8.05	8.00	5.36	5.00	33.07	33.15
5-8 5 Fertilizer	Baltimore	4.24	1.66	4.75	5.00	1.45		8.35	8.00	2.84	5.00	30.69	33.15
5-8-5 Fertilizer	Jessups	4.74	1.66	5.20	5.00	1.23		7.57	8.00	5.04	5.00	33.92	33.15
4-8-6 Fertilizer	Baltimore	4.49	1.66	5.00	5.00	.90		8.40	8.00	4.80	5.00	33.44	33.15
4-8-10 Fertilizer	Baltimore	3.33	1.21	3.79	4.00	1.35		8.45	8.00	6.68	6.00	29.70	29.56
Gold Rod	Owings Mills	2.69	1.32	3.15	4.00	1.50		8.70	8.00	10.00	10.00	29.87	32.90
Gold Rod	Baltimore	5.47	2.34	5.85	7.00	.85		7.65	6.00	4.44	5.00	36.35	40.55
Gold Rod	Jessups	6.22	2.34	6.80	7.00	1.25		5.95	6.00	5.00	5.00	39.80	40.55
H. G. Ammoniated Phos. & Potash	Baltimore	6.22	2.34	6.66	7.00	.60		6.80	6.00	4.80	5.00	39.58	40.55
High Grade Vegetable Grower	Baltimore	3.26	1.00	3.77	3.00	1.40		8.20	8.00	4.18	3.00	27.29	22.45
High Grade Vegetable Grower	Baltimore	1.50	.67	2.08	2.00	1.15		8.25	8.00	11.08	10.00	25.55	23.90
High Grade Vegetable Grower	Baltimore	1.45	.67	2.00	2.00	1.15		7.95	8.00	10.84	10.00	24.74	23.90
Kainit	Baltimore	1.61	.67	2.12	2.00	1.00		9.00	8.00	8.48	10.00	24.10	23.90
Kainit	Owings Mills									12.88	12.40		

Kainit	Baltimore	1.61	.67	2.12	2.00	1.00		9.00	8.00	8.48	10.00	24.10	23.90
										12.88	12.40		
Kainit	Owings Mills									12.84	12.40		
Muriate of Potash	Baltimore									48.00	48.00		
Muriate of Potash	Baltimore									45.10	48.00		
Muriate of Potash	Baltimore									49.60	48.00		
Nitrate of Soda	Baltimore			18.87	18.25								
Nitrate of Soda	Baltimore			18.64	18.25								
Nitrate of Soda	Baltimore			18.64	18.25								
Nitrate of Soda	Baltimore			18.78	18.25								
Nitrate of Soda	Jessups			18.44	18.25								
Perfection Guano	Baltimore	1.36	.67	2.01	2.00	1.93		7.57	8.00	5.32	5.00	19.92	19.65
Perfection Guano	Baltimore	1.39	.67	2.00	2.00	2.95		7.55	8.00	5.36	5.00	20.04	19.65
Phosphate & Lime	Cumberland					4.70		12.90	13.00			11.03	10.40
Plow Brand	Baltimore	1.13	.67	1.85	2.00	3.88		6.32	8.00	2.68	2.00	16.25	17.10
Plow Brand	Baltimore	2.68	.67	3.09	2.00	1.30		7.90	8.00	3.88	2.00	23.73	17.10
Raw Bone Meal	Baltimore			5.04	4.50			*23.00	*20.50			36.48	32.55
Raw Bone Meal	Cumberland			4.62	4.50			*23.40	*20.50			34.83	32.55
Raw Bone Meal	Sykesville			4.45	4.50			*22.40	*20.50			33.47	32.55
Raw Bone Meal	Owings Mills			4.93	4.50			*22.80	*20.50			35.87	32.55
Special Potash Mixture	Baltimore				1.15			9.60	10.00	5.78	5.00	12.76	12.25
Tankage	Baltimore			8.86	9.00			*12.30	*10.00			47.25	46.50
Tankage	Baltimore			8.51	9.00			*14.05	*10.00			46.73	46.50
Tankage	Baltimore			7.79	9.00			*15.25	*10.00			44.21	46.50
2-12-2 Fertilizer	Owings Mills	1.75	.67	2.18	2.00	1.20		12.00	12.00	2.52	2.00	21.73	20.30
2-12-4 Fertilizer	Jessups	2.02	.67	2.36	2.00	1.15		12.05	12.00	4.48	4.00	24.24	22.00
0-12-6 Potash Mixture	Owings Mills					.85		12.05	12.00	6.62	6.00	15.40	14.70
3-8-8 Fertilizer	Jessups	2.51	1.00	2.85	3.00	.60		9.60	8.00	7.72	8.00	27.16	26.70
3-10-6 Fertilizer	Owings Mills	2.62	1.00	3.00	3.00	1.00		10.40	10.00	6.08	6.00	27.14	26.60
Unexcelled Guano	Jessups	3.37	1.15	3.88	4.00	1.20		8.40	8.00	4.24	4.00	27.96	27.80
Unexcelled Guano	Sykesville	3.14	1.15	3.60	4.00	1.25		8.05	8.00	4.29	4.00	26.48	27.80
Plant Products Co., Baltimore, Md.													
PlanTabbs	Baltimore			13.83	13.37			*19.50	*15.00	27.56	20.00	97.37	86.17
PlanTabbs	Baltimore			14.00	13.37			*20.00	*15.00	25.59	20.00	96.75	86.17
Ramsburg Fertilizer Co., Frederick, Md.													
Ammoniated Bone Phosphate	Frederick	.48	.85	1.08	1.00	1.80		11.60	10.00	3.08	3.00	17.03	15.05
Corn & Potato Fertilizer	Lewistown	.60	.85	1.16	1.00	1.00		12.00	10.00	6.08	5.00	20.14	16.75
Corn & Potato Fertilizer	Frederick	.48	.85	1.04	1.00	1.70		11.40	10.00	4.64	5.00	18.00	16.75
Super Phosphate	Myersville					.80		17.80	16.00			14.36	12.80

* Total Phosphoric Acid.

Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling	H_2O SOL. AMMONIA		NITROGEN Calculated as AMMONIA		PHOSPHORIC ACID				POTASH K_2O.		Comparative Value per Ton Found	Comparative Value Per Ton Guaranteed
						Insoluble		Available					
		FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed		
Rasin Monumental Co., Baltimore,	**Md.**												
Best Tomato & Fruit Formula	Baltimore	**2.51**	1.52	**3.00**	3.00	**.50**	.....	**10.60**	10.00	**6.36**	6.00	**$27.47**	$26.60
High Grade Truck Compound	Baltimore	**3.84**	2.00	**4.18**	4.00	**.60**	.....	**8.30**	8.00	**7.80**	7.00	**32.17**	30.35
National Crop Compound	Baltimore	**.87**	.49	**1.14**	1.00	**.55**	.....	**9.15**	9.00	**4.24**	4.00	**16.13**	15.10
Royal Fish & Potash Mixture	Baltimore	**1.35**	.78	**2.00**	2.00	**.95**	.....	**9.45**	9.00	**4.44**	3.00	**20.47**	18.75
Seawall Truck Compound	Baltimore	**4.40**	2.97	**4.64**	5.00	**.60**	.....	**8.30**	8.00	**5.36**	5.00	**32.17**	33.15
Reindollar Co., Taneytown, Md.													
Grain Grower 2-10-5	Taneytown	**1.66**	.....	**2.39**	2.00	**1.85**	.....	**10.55**	10.00	**5.76**	5.00	**24.38**	21.25
Rock & Potash, 0-12-6	Taneytown	.....	.....	.....	.....	**.75**	.....	**14.65**	12.00	**6.16**	6.00	**17.07**	14.70
W. E. Robinson & Co., Bel Air, Md.													
Special Mixture	Fallston	**1.49**	.67	**2.00**	2.00	**1.65**	.....	**8.05**	8.00	**5.12**	5.00	**20.04**	19.65
Truck & Tomato Grower	Fallston	**2.93**	1.31	**3.41**	4.00	**1.70**	.....	**8.50**	8.00	**4.36**	4.00	**26.12**	27.80
Vegetable & Corn Grower	Fallston	**2.39**	1.00	**3.45**	3.00	**2.30**	.....	**6.60**	8.00	**3.36**	3.00	**24.02**	22.45
Vegetable & Grain	Fallston	**1.50**	.67	**2.08**	2.00	**3.35**	.....	**7.20**	8.00	**2.36**	2.00	**17.63**	17.10
F. S. Royster Guano Co., Baltimore,	**Md.**												
Acid Phosphate	Baltimore	.....	.....	.....	.....	**1.30**	.....	**16.50**	16.00	.....	.....	**13.40**	12.80
Arrow 7% Potato Guano	Baltimore	**5.35**	4.60	**6.80**	7.00	**.95**	.....	**6.45**	6.00	**4.76**	5.00	**39.95**	40.55
Arrow 7% Potato Guano	Baltimore	**5.21**	4.60	**7.00**	7.00	**.80**	.....	**6.20**	6.00	**5.00**	5.00	**40.83**	40.55
Banner Guano	Baltimore	**1.31**	1.33	**2.20**	2.00	**.95**	.....	**8.05**	8.00	**10.00**	10.00	**24.98**	23.90
Banner Guano	Baltimore	**1.32**	1.33	**2.00**	2.00	**1.15**	.....	**8.25**	8.00	**10.00**	10.00	**24.27**	23.90
Banner Guano	Baltimore	**1.45**	1.33	**2.05**	2.00	**1.00**	.....	**8.30**	8.00	**10.40**	10.00	**24.86**	23.90
Bully Guano	Baltimore	**1.39**	1.33	**2.17**	2.00	**.90**	.....	**9.40**	8.00	**5.04**	5.00	**21.71**	19.65
Fine Ground Bone Meal	Berwyn	.....	.....	**3.28**	3.00	.....	.....	***23.70**	*22.90	.....	.....	**28.98**	27.24
Fish, Flesh & Fowl	Baltimore	**1.32**	1.33	**2.00**	2.00	**1.05**	.....	**9.85**	9.00	**3.00**	3.00	**19.59**	18.75
Fish, Flesh & Fowl	Baltimore	**1.33**	1.33	**1.89**	2.00	**.93**	.....	**8.82**	9.00	**3.12**	3.00	**18.36**	18.75
Ideal Guano	Baltimore	**2.20**	2.00	**3.02**	3.00	**1.20**	.....	**8.00**	8.00	**8.08**	8.00	**27.04**	26.70
Ideal Guano	Baltimore	**2.31**	2.00	**2.99**	3.00	**1.25**	.....	**8.35**	8.00	**8.16**	8.00	**27.27**	26.70
Kainit	Baltimore	.....	.....	.....	.....	.....	.....	.....	.....	**13.88**	12.40	.....	.....
Nitrate of Soda	Baltimore	.....	.....	**18.64**	18.24	.....	.....	.....	.....	.....	.....	.....	.....
Phosphate & Potash	Baltimore	.....	.....	.....	.....	**.85**	.....	**9.95**	10.00	**4.20**	4.00	**11.66**	11.40
Truckers Delight	Baltimore	**2.49**	2.66	**3.48**	4.00	**1.10**	.....	**8.00**	8.00	**4.20**	4.00	**25.80**	27.80
Truckers Delight	Baltimore	**2.98**	2.66	**3.99**	4.00	**1.15**	.....	**8.25**	8.00	**4.52**	4.00	**28.57**	27.80

Nitrate of Soda	Baltimore			**18.64**	18.24								
Phosphate & Potash	Baltimore					**.85**		**9.95**	10.00	**4.20**	4.00	**11.66**	11.40
Truckers Delight	Baltimore	**2.49**	2.66	**3.48**	4.00	**1.10**		**8.00**	8.00	**4.20**	4.00	**25.80**	27.80
Truckers Delight	Baltimore	**2.98**	2.66	**3.99**	4.00	**1.15**		**8.25**	8.00	**4.52**	4.00	**28.57**	27.80
Truckers Delight	Baltimore	**3.27**	2.66	**3.85**	4.00	**1.10**		**8.00**	8.00	**4.58**	4.00	**27.79**	27.80
Verbena Guano	Baltimore	**3.33**	3.33	**5.07**	5.00	**1.50**		**8.20**	8.00	**5.18**	5.00	**34.01**	33.15
Verbena Guano	Baltimore	**3.39**	3.33	**4.70**	5.00	**1.00**		**8.30**	8.00	**5.06**	5.00	**32.24**	33.15
W. A. Simpsom Co., Baltimore, Md.													
Gro it Brand Pu., Sheep Manure	Baltimore			**1.98**	1.80			* **1.40**	* 1.25	**3.04**	3.00	**12.33**	11.40
Purity Brand Sheep Manure	Baltimore			**2.18**	1.83			* **1.20**	* 1.25	**3.12**	3.00	**13.18**	11.54
R. H. Slingluff Fertilizer Co., Baltim ore, Md.													
Acid Phosphate	Baltimore					**.85**		**16.95**	16.00			**13.69**	12.80
Big & Bright Tobacco	Baltimore	**3.00**	2.00	**3.90**	4.00	**1.70**		**8.70**	8.00	**5.24**	5.00	**29.22**	28.65
Big & Bright Tobacco	Baltimore	**3.25**	2.00	**4.15**	4.00	**1.35**		**8.35**	8.00	**5.00**	5.00	**29.81**	28.65
Harvest Queen	Baltimore	**.68**	.60	**1.16**	1.00	**.85**		**9.15**	9.00	**4.08**	4.00	**16.14**	15.10
Southern Maryland Tobacco Special	Baltimore	**1.69**	.60	**2.08**	2.00	**.90**		**10.30**	10.00	**6.24**	6.00	**23.04**	22.10
Southern Maryland Tobacco Special	Baltimore	**1.63**	.60	**2.01**	2.00	**.55**		**10.45**	10.00	**5.78**	6.00	**22.41**	22.10
Truckers High Grade	Baltimore	**3.13**	.60	**3.69**	4.00	**1.15**		**9.05**	8.00	**6.36**	7.00	**29.43**	30.35
Stumpp & Walter Co., Baltimore, M d.													
Bone Fertilizer	Baltimore			**5.04**	4.50			***22.50**	*23.00			**36.18**	34.05
Emerald Grass Fertilizer	Baltimore	**2.98**		**3.29**	3.65	**.30**		**6.40**	5.00	**3.00**	3.00	**22.53**	22.98
General Garden Fertilizer	Baltimore	**3.38**	3.99	**3.69**	4.00	**.50**		**8.20**	8.00	**4.72**	3.00	**27.26**	26.95
Ground Dried Blood	Baltimore			**16.55**	16.00								
Nitrate of Soda	Baltimore			**18.60**	18.00								
Pulverized Sheep Manure	Baltimore			**2.48**	2.25			* **1.80**	* 1.50	**2.53**	2.00	**14.39**	12.73
Summers Fertilizer Co., Baltimore, Md.													
"Best on Earth" Raw Bone Meal	Crownsville			**4.49**	4.50			***21.60**	*21.52			**33.17**	33.16
"Best on Earth" Raw Bone Meal	Crownsville			**4.68**	4.50			***21.70**	*21.52			**34.08**	33.16
"Best on Earth" Raw Bone Meal	Baltimore			**4.91**	4.50			***21.20**	*21.52			**34.82**	33.16
"Best on Earth" Trucker Fert	Baltimore	**4.33**	3.50	**7.20**	7.00	**1.10**		**6.70**	6.00	**5.36**	5.00	**42.49**	40.55
Superior Guano Co., Baltimore, Md.													
Acid Phosphate, 16%	Preston					**1.05**		**16.05**	16.00			**13.00**	12.80
Acid Phosphate, 16%	Baltimore					**1.30**		**16.00**	16.00			**13.00**	12.80
Acid Phosphate, 16%	Baltimore					**1.10**		**16.00**	16.00			**12.97**	12.80
Acid Phosphate, 16%	Baltimore					**.50**		**17.00**	16.00			**13.68**	12.80
M. B. W. 5-7-5	Baltimore	**4.57**	.60	**5.29**	5.00	**.75**		**6.90**	7.00	**5.12**	5.00	**33.79**	32.35
M. B. W. 5-7-5	Baltimore	**4.70**	.60	**5.14**	5.00	**.35**		**7.15**	7.00	**5.62**	5.00	**33.68**	32.35
M. B. W. 5-7-5	Baltimore	**4.61**	.60	**5.07**	5.00	**.25**		**6.85**	7.00	**5.28**	5.00	**32.83**	32.35
M. B. W. 4-8-4	Baltimore	**2.77**	.90	**3.59**	4.00	**.90**		**8.10**	8.00	**5.78**	4.00	**27.70**	27.80
M. B. W. 4-8-4	Baltimore	**3.59**	.90	**4.10**	4.00	**.75**		**7.80**	8.00	**4.16**	4.00	**28.34**	27.80
M. B. W. 4-8-4	Preston	**3.55**	.90	**4.01**	4.00	**1.18**		**7.47**	8.00	**4.79**	4.00	**28.28**	27.80

* Total Phosphoric Acid.

Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling	H_2O SOL. AMMONIA		NITROGEN Calculated as AMMONIA		PHOSPHORIC ACID				POTASH K_2O.		Comparative Value per Ton Found	Comparative Value Per Ton Guaranteed
						Insoluble		Available					
		FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed		
Superior Guano Co., Baltimore, Md.													
M. B. W. 4-8-4	Baltimore	**5.04**	.90	**5.38**	4.00	**1.03**	.....	**7.02**	8.00	**3.72**	4.00	$**33.14**	$27.80
M. B. W. 1-9-3	Baltimore	**.81**	.31	**1.25**	1.00	**.70**	.....	**10.00**	9.00	**4.10**	3.00	**17.23**	14.25
M. B. W. 0-10-10	Baltimore	.....	.....	.....	.....	**.70**	.....	**11.20**	10.00	**10.40**	10.00	**17.91**	16.50
M. B. W. 3-6-6	Baltimore	**2.52**	.60	**3.00**	3.00	**.55**	.....	**6.35**	6.00	**7.38**	6.00	**24.93**	23.40
M. B. W. 2-8-2	Baltimore	**1.34**	.60	**1.82**	2.00	**.90**	.....	**8.00**	8.00	**2.36**	2.00	**16.74**	17.10
M. B. W. 2-8-2	Baltimore	**2.03**	.60	**2.54**	2.00	**.85**	.....	**9.65**	8.00	**2.32**	2.00	**21.25**	17.10
M. B. W. 2-8-5	Baltimore	**1.52**	.60	**2.00**	2.00	**.85**	.....	**7.90**	8.00	**5.64**	5.00	**20.24**	19.65
M. B. W. 2-8-10	Baltimore	**1.59**	.60	**2.03**	2.00	**.70**	.....	**9.10**	8.00	**11.12**	10.00	**25.98**	23.90
M. B. W. 2-8-10	Preston	**1.53**	.60	**2.01**	2.00	**.90**	.....	**8.05**	8.00	**10.40**	10.00	**24.47**	23.90
Phosphate & Potash, 0-12-5	Baltimore	.....	.....	.....	.....	**1.00**	.....	**12.10**	12.00	**5.00**	5.00	**14.08**	13.85
Swift & Co., Baltimore, Md.													
Acid Phosphate H. G. Fertilizer	Baltimore	.....	.....	.....	.....	**.25**	.....	**16.95**	16.00	.....	.....	**13.60**	12.80
Bone Meal Fertilizer	Baltimore	.....	.....	**3.09**	3.00	.....	.....	*__23.90__	*24.00	.....	.....	**28.25**	27.90
Kainit	Baltimore	.....	.....	.....	.....	.....	.....	.....	.....	**11.64**	12.40	.....	.....
Kainit	Baltimore	.....	.....	.....	.....	.....	.....	.....	.....	**13.14**	12.40	.....	.....
Muriate of Potash	Baltimore	.....	.....	.....	.....	.....	.....	.....	.....	**52.83**	50.00	.....	.....
Nitrate of Soda	Baltimore	.....	.....	**18.70**	18.00	.....	.....	.....	.....	.....	.....	.....	.....
Nitrate of Soda	Baltimore	.....	.....	**18.60**	18.00	.....	.....	.....	.....	.....	.....	.....	.....
Raw Bone Fertilizer	Baltimore	.....	.....	**4.76**	4.50	.....	.....	*__23.30__	*23.00	.....	.....	**35.40**	34.05
Red Steer, 5-8-5	Baltimore	**4.71**	3.25	**5.34**	5.00	**.35**	.....	**7.70**	8.00	**5.66**	5.00	**35.05**	33.15
Red Steer, 5-8-5	Baltimote	**4.45**	3.25	**5.00**	5.00	**.65**	.....	**8.15**	8.00	**5.08**	5.00	**33.44**	33.15
Red Steer, 5-8-5	Baltimore	**4.53**	3.25	**5.09**	5.00	**.50**	.....	**8.30**	8.00	**5.04**	5.00	**33.91**	33.15
Red Steer, 4-8-4	Baltimore	**3.36**	2.60	**3.84**	4.00	**.55**	.....	**7.95**	8.00	**4.16**	4.00	**27.26**	27.80
Red Steer, 4-8-4	Baltimore	**3.56**	2.60	**4.04**	4.00	**.80**	.....	**8.00**	8.00	**4.36**	4.00	**28.41**	27.80
Red Steer, 4-8-4	Baltimore	**3.45**	2.60	**4.10**	4.00	**.40**	.....	**8.00**	8.00	**4.04**	4.00	**28.34**	27.80
Red Steer, 4-8-7	Baltimore	**3.59**	2.00	**4.20**	4.00	**.90**	.....	**9.60**	8.00	**7.24**	7.00	**32.87**	30.35
Red Steer, 1-9-4	Baltimore	**.95**	.65	**1.27**	1.00	**.15**	.....	**8.95**	9.00	**4.36**	4.00	**16.61**	15.10
Red Steer, 7-6-5	Baltimore	**6.27**	4.55	**7.05**	7.00	**.70**	.....	**6.10**	6.00	**5.36**	5.00	**41.28**	40.55
Red Steer, 7-6-5	Baltimore	**6.43**	4.55	**7.08**	7.00	**.35**	.....	**6.45**	6.00	**5.08**	5.00	**41.39**	40.55
Red Steer, 7-6-5	Baltimore	**6.53**	4.55	**7.18**	7.00	**.30**	.....	**6.20**	6.00	**5.00**	5.00	**41.57**	40.55
Red Steer, 10-5-0	Baltimore	**8.94**	6.50	**9.83**	10.00	**.40**	.....	**5.50**	5.00	.....	.....	**48.70**	49.00
Red Steer, 3-10-6	Baltimore	**2.49**	1.95	**2.95**	3.00	**.70**	.....	**10.10**	10.00	**6.36**	6.00	**26.88**	26.60

Red Steer, 10-5-0	Baltimore	**8.94**	6.50	**9.83**	10.00	**.40**	**5.50**	5.00			**48.70**	49.00

Red Steer, 3-10-6	Baltimore	**2.49**	1.95	**2.95**	3.00	**.70**	**10.10**	10.00	**6.36**	6.00	**26.88**	26.60
Red Steer, 2-8-5	Baltimore	**1.62**	1.30	**2.03**	2.00	**.35**	**8.05**	8.00	**5.24**	5.00	**20.08**	19.65
Red Steer, 2-8-5	Baltimore	**1.67**	1.30	**2.13**	2.00	**.55**	**9.05**	9.00	**5.10**	5.00	**21.25**	19.65
Red Steer, 2-8-5	Baltimore	**1.64**	1.30	**2.10**	2.00	**.60**	**8.20**	8.00	**5.50**	5.00	**20.78**	19.65
Red Steer, 2-8-5	Baltimore	**1.73**	1.30	**2.17**	2.00	**.98**	**7.62**	8.00	**5.16**	5.00	**20.41**	19.65
Red Steer, 2-12-2	Baltimore	**1.61**	1.30	**2.00**	2.00	**.95**	**11.95**	12.00	**2.20**	2.00	**20.57**	20.30
Red Steer, 3-10-6	Baltimore	**2.50**		**2.96**	3.00	**.60**	**10.40**	10.00	**6.00**	6.00	**26.83**	26.60
Sheep Manure	Baltimore			**2.46**	2.25		* **1.50**	* 1.50	**2.00**	2.00	**13.67**	12.73
Tankage	Baltimore			**8.54**	9.00							
W. B. Tilghman Co., Inc., Salisbury, Md.												
Acid Phosphate	Salisbury					**1.00**	**17.00**	16.00			**13.75**	12.80
Early Truck Guano	Salisbury	**3.93**	3.29	**5.43**	5.00	**1.75**	**8.15**	8.00	**5.20**	5.00	**35.64**	33.15
High Grade Potash Mixture	Salisbury	**1.60**	1.00	**2.38**	2.00	**1.80**	**8.00**	8.00	**10.72**	10.00	**26.49**	23.90
High Grade Potash Mixture	Salisbury	**2.15**	1.00	**2.90**	2.00	**2.10**	**8.00**	8.00	**10.70**	10.00	**28.87**	23.90
Irish P Guano	Salisbury	**5.66**	4.75	**7.20**	7.00	**1.25**	**5.95**	6.00	**5.16**	5.00	**41.74**	40.55
Mixture "A"	Salisbury	**3.44**	2.25	**4.55**	4.40	**1.40**	**8.40**	8.00	**7.74**	7.00	**33.99**	30.35
Mixture "B"	Salisbury	**2.99**	2.25	**4.15**	4.00	**1.90**	**7.90**	8.00	**4.64**	4.00	**29.23**	27.80
Mixture "B"	Salisbury	**3.21**	2.25	**4.20**	4.00	**1.35**	**8.15**	8.00	**4.92**	4.00	**29.80**	27.80
S. P. Mixture	Salisbury	**2.93**	1.64	**3.73**	3.00	**1.63**	**7.72**	8.00	**8.96**	8.00	**30.83**	26.70
S. P. Mixture	Salisbury	**2.19**	1.64	**3.16**	3.00	**2.58**	**7.72**	8.00	**9.28**	8.00	**28.68**	26.70
Special Corn Fertilizer	Salisbury	**1.01**	.50	**1.35**	1.00	**2.20**	**9.80**	10.00	**5.36**	5.00	**18.81**	16.75
Special Corn Fertilizer	Salisbury	**.62**	.50	**1.30**	1.00	**1.40**	**10.10**	10.00	**5.36**	5.00	**18.70**	16.75
Standard	Salisbury	**1.59**	1.00	**2.10**	2.00	**1.50**	**8.30**	8.00	**6.34**	5.00	**21.71**	19.65
Tobacco Fertilizer	Salisbury	**3.35**	2.25	**4.73**	4.00	**2.15**	**8.55**	8.00	**4.64**	4.00	**32.39**	27.80
Tobacco Fertilizer	Baltimore	**3.19**	2.25	**4.74**	4.00	**2.00**	**8.40**	8.00	**4.40**	4.00	**32.09**	27.80
Tobacco Fertilizer	Baltimore	**3.71**	2.25	**5.16**	4.00	**1.80**	**8.10**	8.00	**4.00**	4.00	**33.37**	27.80
Top Dresser	Salisbury	**4.97**		**5.52**	6.00	**.60**	**6.60**	6.00	**4.80**	4.00	**34.29**	35.20
Triangle Agricultural Corp., Wilmington, Del.												
Blood Bone & Potash, 2-8-5	Rising Sun	**1.67**		**2.01**	2.00	**.70**	**8.00**	8.00	**5.16**	5.00	**19.95**	19.65
F. W. Tunnell & Co., Inc., Philadelphia, Pa.												
Acid Phosphate	Colora					**.15**	**17.85**	16.00			**14.30**	12.80
Nassau County Potato Manure	Preston	**4.16**		**5.39**	5.00	**1.20**	**8.00**	8.00	**5.16**	5.00	**35.23**	33.15
Nitrate of Soda	Colora			**18.64**	18.00							
Red Diamond Potato & Truck Guano.	Colora	**1.41**		**2.18**	2.00	**.65**	**8.15**	8.00	**10.18**	10.00	**25.61**	23.90
Red Diamond Potato & Truck Guano.	Preston	**1.54**		**2.60**	2.00	**1.00**	**8.30**	8.00	**11.44**	10.00	**28.21**	23.90
Three M Potato Manure	Colora	**3.12**		**3.85**	4.00	**.65**	**8.35**	8.00	**8.44**	7.00	**31.28**	30.35
Veribest Cereal Manure	Colora	**1.30**		**2.17**	2.00	**.80**	**8.70**	8.00	**5.16**	5.00	**21.24**	19.65
Wheat & Cereal Manure	Colora	**.80**		**1.28**	1.00	**.65**	**9.25**	9.00	**4.36**	4.00	**16.97**	15.10

* Total Phosphoric Acid.

Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling	H_2O SOL. AMMONIA		NITROGEN Calculated as AMMONIA		PHOSPHORIC ACID				POTASH K_2O.		Comparative Value per Ton Found	Comparative Value Per Ton Guaranteed
						Insoluble		Available					
		FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed		
United States Guano Co., Baltimore, Md.													
Acid Phosphate	Baltimore					.85		15.95	16.00			$12.89	$12.80
Accomac Penisula King	Baltimore	1.93	2.49	2.87	5.00	1.15		8.65	8.00	9.48	5.00	28.07	33.15
Accomac Penisula King	Baltimore	3.74	2.49	5.07	5.00	1.60		8.40	8.00	5.16	5.00	34.17	33.15
Bone Meal	Cambridge			3.88	3.00			*22.90	*22.00			31.20	26.70
Fish, Bone & Potash	Baltimore	2.79	2.00	3.85	5.00	.55		9.65	8.00	7.20	7.00	31.25	34.85
Fish, Bone & Potash	Baltimore	3.42	2.00	4.55	5.00	1.13		8.00	8.00	7.36	7.00	33.37	34.85
H. G. Phosphate & Potash	Baltimore					1.35		11.95	12.00	5.16	5.00	14.15	13.85
Mammoth Potato Grower	Baltimore	2.02	1.00	2.65	2.00	1.35		8.85	8.00	10.00	10.00	27.71	23.90
Mammoth Potato Grower	Baltimore	1.62	1.00	2.20	2.00	.75		8.45	8.00	10.08	10.00	25.34	23.90
Raw Bone Meal	Baltimore			4.23	4.50			*19.98	*22.00			31.03	33.45
Truckers Fish Guano Tobacco Mixt.	Baltimore	1.74	1.23	2.83	3.00	1.50		8.40	8.00	3.00	3.00	22.24	22.45
Valliant Fertilizer Co., Laurel, Del.													
Big 4	Princess Anne	3.95		4.53	4.00	1.25	.50	8.35	8.00	4.50	4.00	31.09	27.88
Jewel	Princess Anne	7.37		7.68	7.00	1.10	.50	6.90	6.00	4.72	5.00	44.26	40.63
E. S. Valliant & Son, Centreville, Md.													
Corn Mixture, 0–4–7	Centreville					1.40		6.00	4.00	7.52	7.00	11.40	9.15
Corn Mixture, 0–4–7	Centreville					.40		4.60	4.00	8.80	7.00	11.22	9.15
Fish Mixture, 2-9-6	Centreville	1.59	1.50	2.17	2.00	1.15		9.25	9.00	6.60	6.00	22.95	21.30
Fish Mixture, 2-9-6	Centreville	1.45	1.50	2.08	2.00	1.00		6.30	9.00	6.48	6.00	20.06	21.30
Kainit, 0-0-12.40	Centreville									16.56	12.40		
Keystone, 2-8-5	Centreville	1.74	1.50	2.15	2.00	1.33		7.62	8.00	6.36	5.00	21.39	19.65
Keystone, 2-8-5	Centreville	1.45	1.50	1.74	2.00	1.00		9.00	8.00	5.00	5.00	19.43	19.65
Progress, 3-8-8	Centreville	2.09	2.25	2.72	3.00	.45		7.45	8.00	10.12	8.00	26.87	26.70
Standard, 1-9-4	Centreville	.84	.50	1.27	1.00	1.85		8.85	9.00	5.12	4.00	17.43	15.10
Twelve-Six	Centreville					.60		12.20	12.00	6.20	6.00	15.12	14.70
W. H. Valliant & Bro., Bellevue, Md.													
Fish Special, 2-8-6	Bellevue			1.49	2.00	1.05		8.45	8.00	7.36	6.00	19.89	20.50
Virginia Carolina Chemical Co., Baltimore, Md.													
Acid Phosphate	Baltimore					1.30		16.00	16.00			13.00	12.80
Blue Ribbon Fertilizer	Baltimore	1.86	.70	2.17	2.00								

Fish Special, 2-8-3	Bellevue			1.49	2.00	1.05		8.45	8.00	7.36	6.00	19.89	20.50

Virginia Carolina Chemical Co., Baltimore, Md.															
Acid Phosphate	Baltimore					1.30		16.00	16.00			13.00	12.80
Blue Ribbon Fertilizer	Baltimore	1.86	.78	2.17	2.00	.60		8.20	8.00	5.08	5.00	20.74	19.65
Blue Ribbon Fertilizer	Baltimore	1.59	.78	2.00	2.00	.70		8.50	8.00	4.86	5.00	20.04	19.65
Champion Brand	Baltimore	1.81	.78	1.98	2.00	.50		8.00	8.00	5.36	5.00	19.95	19.65
Champion Brand	Baltimore	3.69	2.00	4.03	4.00	.55		8.65	8.00	5.06	4.00	29.44	27.80
Champion Brand	Baltimore	3.80	2.00	4.06	4.00	.65		8.65	8.00	4.56	4.00	29.17	27.80
Eureka Brand	Baltimore	3.86	2.00	4.08	4.00	.60		8.40	8.00	4.36	4.00	28.88	27.80
Eureka Brand	Baltimore	1.84	.78	2.01	2.00	.35		8.35	8.00	10.16	10.00	24.42	23.90
Fish Bone & Potash	Baltimore	1.66	.78	2.00	2.00	.40		9.00	8.00	10.40	10.00	25.10	23.90
Fish Bone & Potash	Baltimore	1.33	.78	2.13	2.00	.93		8.87	9.00	3.44	3.00	19.75	18.75
Genuine Imported Kainit	Baltimore									14.12	12.40		
Genuine Imported Kainit	Baltimore									14.00	12.40		
Genuine Imported Kainit	Baltimore									14.48	12.40		
Muriate of Potash	Baltimore									51.90	48.00		
Muriate of Potash	Baltimore									54.75	48.00		
Nitrate of Soda	Baltimore			18.64	18.00								
Nitrate of Soda	Baltimore			18.64	18.00								
Special Potash Mixture	Baltimore					.75		11.35	10.00	3.56	4.00	12.22	11.40
Super Thirty	Baltimore	5.62	2.98	6.00	6.00	.30		19.10	18.00	6.24	6.00	47.63	46.50
Super Thirty	Baltimore	5.36	2.98	5.67	6.00	.85		18.45	18.00	6.00	6.00	45.51	46.50
Virginia Trucker	Baltimore	4.88	2.97	5.05	5.00	.70		8.10	8.00	5.68	5.00	34.15	33.15
White Rose Plant Food Co., York, Pa.													
White Rose Plant Food, 5-8-3	Baltimore	1.79		5.17	5.00	.40		9.10	8.00	3.92	3.00	33.94	31.45
White Rose Plant Food, 5-8-3	Baltimore	1.62		5.20	5.00	.30		9.10	8.00	4.20	3.00	34.30	31.45
White Rose Seed & Nursery Co., York, Pa.													
Sheep Manure	Parkton			2.55	2.00			* 1.40	* 1.30	2.36	2.00	14.33	11.48
J. Frank Wilson, Pocomoke City, Md.													
5-8-5	Pocomoke City	1.42	1.71	4.66	5.00	1.25		9.35	8.00	5.36	5.00	33.20	33.15
Wiseman-Downs Co., Baltimore, Md.													
Blood, Bone & Tankage Mixture	Baltimore	3.84	2.50	4.83	5.00	.60		8.50	8.00	6.14	5.00	33.85	33.15
Special Compound Fish Mixture	Baltimore	4.32	2.00	5.09	4.00	.45		8.05	8.00	4.36	4.00	33.13	27.80
Standard	Baltimore	1.22	1.00	1.82	2.00	.95		8.35	8.00	2.32	2.00	16.98	17.10

* Total Phosphoric Acid.

Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling	H_2O SOL. AMMONIA		NITROGEN Calculated as AMMONIA		PHOSPHORIC ACID				POTASH K_2O.		Comparative Value per Ton Found	Comparative Value Per Ton Guaranteed
						Insoluble		Available					
		FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed		
Worcester Fertilizer Co., Inc., Snow	**Hill, Md.**												
Correct Plant Food Acid Phos. 16%..	Snow Hill.....	.....	.....	.....	.....	.25	.....	16.95	16.00	.....	.....	$13.60	$12.80
Correct Plant Food Acid Phos. 16%..	Snow Hill.....	.....	.....	.....	.....	.35	.....	16.65	16.00	.....	.....	13.37	12.80
Correct Plant Food, 5-8-5.....	Snow Hill.....	4.00	2.01	5.60	5.00	.95	.....	8.15	8.00	5.94	5.00	36.91	33.15
Correct Plant Food, 2-8-5.....	Snow Hill.....	1.38	.66	2.03	2.00	1.00	.....	9.50	8.00	4.78	5.00	20.95	19.65
Correct Plant Food, 2-8-10.....	Snow Hill.....	1.57	.66	2.39	2.00	.65	.....	9.55	8.00	10.00	10.00	27.00	23.90
Correct Plant Food 3-8-8.....	Snow Hill.....	2.09	1.00	3.17	3.00	.95	.....	10.10	8.00	8.00	8.00	29.29	26.70
Correct Plant Food, 7-6-5.....	Snow Hill.....	5.37	2.33	7.40	7.00	1.10	.....	7.20	6.00	5.36	5.00	43.79	40.55
R. B. Wyand, Chewsville, Md.													
Dissolved Phosphate, 16%.....	Chewsville.....	.....	.....	.....	.....	.90	.....	16.50	16.00	.....	.....	13.34	12.80
Golden Harvest, 2-10-5.....	Chewsville.....	1.24	.....	2.13	2.00	.85	.....	11.25	10.00	5.75	5.00	23.61	21.25
Grain Mixture, 1-9-3.....	Chewsville.....	.73	.....	1.19	1.00	1.20	.....	11.80	9.00	3.90	3.00	18.30	14.25
Muriate of Potash.....	Chewsville.....	.....	.....	.....	.....	.....	.....	.....	.....	52.60	50.00	.....	.....
Nitrate of Soda.....	Chewsville.....	.....	.....	18.69	18.50	.....	.....	.....	.....	.....	.....	.....	.....
Phosphate & Potash Mixture.....	Chewsville.....	.....	.....	.....	.....	.35	.....	13.45	12.00	4.62	5.00	14.74	13.85
Potato & Garden Fertilizer, 3-8-8....	Chewsville.....	2.08	.....	3.09	3.00	.90	.....	9.00	8.00	8.36	8.00	28.36	26.70